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Speculum Anni :
O R,
SEASON on the SEASONS,
For the Year of our LORD 1796,
BEING THE
BISSEXTILE, OR LEAP YEAR.

Wherein you will find all Things necessary
for such a Work ; Sun and Moon's Rising and Setting ;
Moon's Southing, Planets Places and Aspects, Eclipses,
Judgments on the Weather, and Four Quarters ;
Remarks about the Sun, Monthly Poetry, and other
Novelties.

By HENRY SEASON,
LICENSED PHYSICIAN,
And Student in the CELESTIAL SCIENCES, near DEVIZES.
With a particular Judgment of the Eclipses, &c.

*Omnis donatio bona, & omne integrum bonum
Est superne descendens à patre Luminum. JAC. I. 17.*

God hath granted me to speak according to my Mind, and to judge
worthily of the Things that are given me ; for he is the Leader
unto Wisdom, and the Director of the Wise : How the Times
alter, the Change of the Seasons, the Course of the Year, and the
Situation of the Stars. Wisd. chap. vii. ver. 15, 19.

The sacred Fiat was no sooner nam'd,
But Heav'n with all its Hosts were fram'd ;
Phœbus display'd his fiery Car,
And Wisdom marshall'd ev'ry Star ;
Six Worlds around the Sun did glide,
He gave their Light, and Motions guide ;
By secret, fix'd, attractive Laws,
They all confess th' Almighty Cause.



The AUTHOR'S Sixty-third Impression.

L O N D O N :

Printed for the COMPANY of STATIONERS,
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The common Notes for the Year 1796.

The Golden Number - - 11	Shrove-Sunday - - Feb. 7
The Epact - - - - 20	Ash-Wednesday - - 10
The Cycle of the Sun - - 13	Easter-Day - March 27
Dominical Letters - C B	Whit-Sunday - May 15
Roman Indiction - - - 14	Advent-Sunday - Nov. 27
Septuagesima Sunday Jan. 24	Sundays after Trinity - - 26

The 12 Signs.

♈ Aries
♉ Taurus
♊ Gemini
♋ Cancer
♌ Leo
♍ Virgo
♎ Libra
♏ Scorpio
♐ Sagittary
♑ Capricorn
♒ Aquarius
♓ Pisces

The 7 Planets, and the Aspects.

☉ Sun
☾ Moon
♄ Saturn
♃ Jupiter
♂ Mars
♀ Venus
☿ Mercury
♌ Conjunction
* Sextile
□ Square
△ Trine
♌ Opposition

The four Quarters of the Year.

		d	h	m	
Spring Quarter begins - - -	March	19	8	42	Aftern.
Summer Quarter begins - -	June	20	6	36	Aftern.
Autumn Quarter begins - -	Sept.	22	8	29	Morn.
Winter Quarter begins - -	Dec.	21	1	7	Morn.

Venus will be an Evening Star till August 5, and then a Morning Star for the rest of the Year.

Jupiter will be an Evening Star till February 20, then a Morning Star till August 31, and after that an Evening Star for the rest of the Year.

A TABLE

KINGS and QUEENS.

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A TABLE of the KINGS and QUEENS of England,
from the CONQUEST to the present Year 1796

Names of Kings.	Born Ann.	When Began to reign.	Reign. Y. M.	Since their Reign ended.	Buried at
William 1	1029	1066, Octob. 14	20 11	709, Septem. 9	Caen, Nor.
William 2	1057	1087, Sept. 9	12 11	696, August 2	Winchest.
Henry 1	1068	1100, Aug. 2	35 4	661, Decemb. 1	Reading.
Stephen	1105	1135, Dec. 1	18 11	642, Octob. 25	Feverham

The Saxon Line Restored.

Henry 2	1133	1154, Oct. 25	34	8 607, July 6	Fontevr.
Richard 1	1156	1189, July 6	9 9	597, April 6	Fontevr.
John	1165	1199, April 6	17 6	580, Octob. 19	Worcester
Henry 3	1207	1216, Oct. 19	56 1	524, Nov. 16	Westmin.
Edward 1	1239	1272, Nov. 16	34 8	489, July 7	Westmin.
Edward 2	1284	1307, July 7	19 7	469, Jan. 25	Gloucester
Edward 3	1312	1327, Jan. 25	50 5	419, June 21	Westmin.
Richard 2	1366	1377, June 21	22 3	397, Sept. 29	Westmin.

The Line of Lancaster.

Henry 4	1367	1399, Sept. 29	13 6	383, March 20	Canterb.
Henry 5	1389	1413, Mar. 20	9 5	374, August 31	Westmin.
Henry 6	1421	1422, Aug. 31	38 6	335, March 4	Windfor

The Line of York.

Edward 4	1442	1461, Mar. 4	22 1	313, April 9	Windfor
Edward 5	1471	1483, April 9	0 2	313, June 22	Unknown
Richard 3	1442	1483, June 22	2 2	311, August 22	Leicester

The Families United.

Henry 7	1456	1485, Aug. 22	23 8	287, April 22	Westmin.
Henry 8	1492	1509, April 22	37 9	249, Jan. 28	Windfor
Edward 6	1537	1547, Jan. 28	6 5	243, July 6	Westmin.
Qu. Mary	1516	1553, July 6	5 4	238, Nov. 17	Westmin.
Qu. Eliz.	1533	1558, Nov. 17	44 4	193, March 24	Westmin.

The Union of the Two Crowns.

James 1	1566	1603, Mar. 24	22 0	171, March 27	Westmin.
Charles 1	1600	1625, Mar. 27	23 10	147, Jan. 30	Windfor
Charles 2	1630	1649, Jan. 30	36 0	111, Feb. 6	Westmin.
James 2	1633	1685, Feb. 6	4 0	107, Feb. 13	S. Germain
Will. & Mary	1650	1689, Feb. 13	13 1	94, March 8	Westmin.

The Union of the Two Kingdoms.

Qu. Anne	1665	1702, Mar. 8	12 5	82, August 1	Westmin.
George 1	1660	1714, Aug. 1	12 10	69, June 11	Hanover
George 2	1683	1727, June 11	33 4	36, Oct. 25	Westmin.
George 3	1738	1760, Oct. 25		Crowned Sept. 22, 1761.	

A TABLE of TERMS and their RETURNS.

Hilary Term begins January 23, ends February 12.

Returns or Effoign Days.	-	-	E	R	A	W	D
In eight Days of St. Hilary,	-	-	Jan. 20	21	22	23	Sat.
In 15 Days of St. Hilary	-	-	-	27	28	29	30 Sat.
On the Mor. of the Purificat. of B. V. M.	Feb. 3	4	5	6			Sat.
In eight Days of the Purificat. of B. V. M.	-	9	10	11	12		Frid.

Easter Term begins April 13, ends May 9.

In 15 Days after Easter	-	-	April 10	11	12	13	Wed.
From Easter in 3 Weeks,	-	-	-	17	18	19	20 Wed.
From Easter in 1 Month,	-	-	-	24	25	26	27 Wed.
From Easter in 5 Weeks,	-	-	May 1	2	3	4	Wed.
On the Morrow of the Ascension-day,			6	7	8	9	Mon.

Trinity Term begins May 27, ends June 15.

On the Morrow of the Holy Trinity,	May 23	24	25	27	Frid.
In eight Days of the Holy Trinity,	29	30	31	J. 1	Wed.
In 15 Days of the Holy Trinity,	June 5	6	7	8	Wed.
From Day of Holy Trin. in 3 Weeks.	12	13	14	15	Wed.

Michaelmas Term begins Nov. 7, ends Nov. 28.

On the Morrow of All Souls,	-	-	Nov. 3	4	5	7	Mond.
On the Morrow of St. Martin,	-	-	-	12	13	14	15 Tues.
In eight Days of St. Martin,	-	-	-	18	19	20	21 Mond.
In 15 Days of St. Martin,	-	-	-	25	26	27	28 Mond.

N. B. No Sittings in Westminster-Hall on Ascension-Day, Midsummer-Day, and the 2d of February.

The Exchequer opens eight Days before any Term begins, except Trinity, before which it opens but four Days.

Note, The first and last Days of every Term are the Days of Appearance.

A CATALOGUE of the Most Reverend, Right Reverend, and Reverend, the Archbishops, Bishops and Deans, exercising Ecclesiastical Jurisdiction in England, 1796.

Archbishops.	Deans' Names.	Names of the Sees.
Dr. John Moore	Dr. Cornwall	Canterbury
Dr. Wm. Markham	Dr. John Fountayne	York
Bishops.		
Dr. Beilby Porteus.	Bp. of Lincoln	London
Hon. Shute Barrington	Bp. of Litchfield & Cov.	Durham
Hon. D. Brownl. North	Dr. Newton Ogle	Winchester
Sir Wm. Ashburnham	Mr. Combe Miller	Chichester
Dr. Charles Mios	Lord Francis Seymour	Bath and Wells
Dr. John Douglas	Dr. John Ekins	Salisbury
Dr. Spencer Madan	Dr. Peter Peckard	Peterborough
Hon. Dr. James Yorke	Dr. William Cooke	Ely
Dr. Sam. Horsley	Dr. Thomas Dampier	Rocheſter
Dr. Richard Hurd	Ho. St Andrew St. John	Worceſter
Dr. John Butler	Dr. Nat. Wetherell	Hereford
Dr. John Warren	Dr. Thomas Lloyd	Bangor
Hon. Dr. Ja. Cornwallis	Dr. Baptiſt Proby	Litchfield and Coventry
Dr. Lewis Bagot	Mr. W. D. Shipley	St. Aſaph
Dr. Richard Watſon	Dr. Robert Price, <i>Prec.</i>	Llandaff
Dr. Edward Smalwell	Dr. Cyril Jackſon	Oxford
Dr. Courtenay	Dr. John Hallam	Briſtol
Dr. George Pretyma	Sir Richard Kaye, Bart.	Lincoln
Dr. E. Venables Vernon	Dr. Iſaac Milner	Carlisle
Dr. Wm. Cleaver	Dr. George Cotton	Cheſter
Hon. Dr. Stuart	Mr. F. Wollaſton, <i>Prec.</i>	St. David's
Dr. Richard Beadon	Dr. Joſiah Tucker	Glouceſter
Dr. C. Manners Sutton	Dr. Joſeph Turner	Norwich
Dr. William Buller	Dr. Charles Harward	Exeter
	Bp. of Rocheſter	Weiſtminſter
	Bp. of Norwich	Windſor
Dr. Claud. Crigan		Sodor and Man

The Names of the Learned Judges in the Law.

Rt. Hon. Al. Lord Loughborough,	Lord High Chancellor of Great Britain.
Sir Rich. Pepper Arden,	Knt. Maſter of the Rolls.
Sir John Scott,	Knt. Attor. Gen.
Sir John Mitford,	Knt. Sol. Gen.
II. In the {	Rt. Hon. Lord Kenyon, L. C. J.
K. Bench. {	Sir Wm. Henry Aſthurſt, Knt.
III. In the {	Rt. Hon. Sir J. Eyre, Knt. C. J. C. P.
Co. Pleas. {	— Rooke, Eſq;
IV. In the {	Sir A. M'Donald, Knt. L. C. B.
Exchequer. {	Sir Beaumont Hotham, Knt.
	Sir N. Groſe, Knt.
	Soulden Lawrence, Eſq;
	John Heath, Eſq.
	Sir Fr. Buller, Bart.
	Sir Rich. Perryn, Knt.
	Sir Alex. Thomſon, Knt.

A TABLE shewing the Moon's Southing for
Farmers and others that breed Cattle, but
men and others that sail upon the Waters.

M D	Jan. h m	Feb. h m	Mar. h m	April h m	May h m	June h m	M D
1	5 m 27	6 m 2	5 m 26	6 m 41	7 m 8	8 m 12	1
2	6 9	6 46	6 13	7 31	7 57	9 2	2
3	6 51	7 32	7 1	8 22	8 45	9 54	3
4	7 33	8 19	7 51	9 12	9 35	10 50	4
5	8 15	9 8	8 42	10 2	10 25	11 51	5
6	8 59	9 58	9 33	10 52	11 17	0 a 54	6
7	9 45	10 49	10 24	11 42	0 a 13	1 58	7
8	10 33	11 40	11 15	0 a 34	1 11	3 0	8
9	11 22	0 a 31	0 a 5	1 28	2 13	3 59	9
10	0 a 12	1 20	0 55	2 24	3 15	4 53	10
11	1 2	2 9	1 45	3 22	4 17	5 43	11
12	2 52	2 57	2 36	4 22	5 16	6 30	12
13	3 41	3 46	3 29	5 22	6 11	7 14	13
14	4 29	4 36	4 25	6 21	7 2	7 57	14
15	5 16	5 29	5 22	7 18	7 50	8 39	15
16	5 3	6 24	6 20	8 11	8 35	9 22	16
17	6 52	7 21	7 19	9 1	9 18	10 7	17
18	7 43	8 20	8 17	9 48	10 1	10 52	18
19	8 37	9 20	9 13	10 33	10 44	11 39	19
20	9 34	10 18	10 6	11 17	11 28	morn	20
21	10 34	11 14	10 56	morn	morn	0 28	21
22	11 35	morn	11 43	0 0	0 13	1 17	22
23	36	0 7	morn	0 44	1 0	2 6	23
24	morn	0 57	0 29	1 29	1 47	2 55	24
25	0 3	1 44	1 12	2 15	2 36	3 42	25
26	1 30	2 29	1 57	3 2	3 25	4 28	26
27	2 21	3 13	2 42	3 50	4 14	5 14	27
28	3 8	3 57	3 27	4 40	5 3	6 0	28
29	3 53	4 41	4 13	5 30	5 50	6 47	29
30	4 36		5 1	6 19	6 37	7 37	30
31	5 19		5 51		7 24		31

all the Months of the Year, very necessary for all
especially and more worthy of Notice to Sea-

M	July	August	Sept.	Oct.	Nov.	Dec.	M
D	h m	h m	h m	h m	h m	h m	D
1	8 m 29	10 m 13	11 m 59	0 a 25	1 a 27	1 a 40	1
2	9 26	11 16	0 a 50	1 11	2 14	2 21	2
3	10 26	0 a 16	1 38	1 57	3 3	3 18	3
4	11 30	1 13	2 25	2 43	3 52	4 6	4
5	0 a 35	2 6	3 11	3 30	4 41	4 52	5
6	1 37	2 55	3 56	4 18	5 30	5 37	6
7	2 35	3 42	4 42	5 6	6 18	6 21	7
8	3 29	4 27	5 29	5 55	7 5	7 6	8
9	4 18	5 11	6 17	6 45	7 51	7 51	9
10	5 5	5 56	7 5	7 35	8 37	8 39	10
11	5 49	6 41	7 55	8 23	9 24	9 29	11
12	6 32	7 28	8 45	9 11	10 12	10 24	12
13	7 15	8 16	9 35	9 59	11 2	11 23	13
14	7 59	9 5	10 24	10 46	11 56	morn	14
15	8 45	9 55	11 12	11 34	morn	0 26	15
16	9 31	10 45	morn	morn	0 53	1 31	16
17	10 20	11 34	0 0	0 24	1 54	2 35	17
18	11 9	morn	0 47	1 16	2 57	3 34	18
19	11 59	0 23	1 35	2 11	3 59	4 30	19
20	morn	1 10	2 25	3 9	4 59	5 21	20
21	0 48	1 56	3 16	4 9	5 55	6 8	21
22	1 36	2 43	4 10	5 9	6 47	6 53	22
23	2 23	3 30	5 8	6 9	7 35	7 36	23
24	3 9	4 19	6 8	7 7	8 21	8 20	24
25	3 55	5 11	7 8	8 1	9 5	9 4	25
26	4 41	6 6	8 8	8 52	9 49	9 49	26
27	5 29	7 4	9 5	9 40	10 33	10 36	27
28	6 19	8 5	9 59	10 26	11 18	11 24	28
29	7 12	9 6	10 50	11 11	0 a 4	0 a 12	29
30	8 9	10 6	11 39	11 56	0 52	1 1	30
31	9 10	11 4		0 a 41		1 49	31

M	h	u
D	II	m
1	8	11
6	8	12
11	7	13
16	7	14
21	7	16
26	7	17

Last Quarter the 2d day, at 1 in the morning.
 New M^{oon} on the 10th day, at 6 in the morning.
 First Quarter the 17th day, at 5 in the afternoon.
 Full Moon the 24th day, at 10 in the morning.
 Last Quarter, 31st day, at 9 at night.

M	W	Remarkable	☾	☽ longitude	☽ rises and sets	♂	♀	☿	Mut. Aspects and Weather
D	D	D-ys, &c.	h	g	m	h	h	h	
1	F	Circumcision	11	4 ^h 44	11 a 58	5	30	2	Frosty, cold
2	S		12	17 4	morn.	6	33	4	winds,
3	C	2 S. aft. Chris.	13	29 9	1 5	6	2 5		* ♂ ♀
4	M		14	11 m 5	2 11	7	4 7		driving fleet.
5	T	Old. Christ. D.	15	22 56	3 15	7	5 8		
6	W	Epiph. 12th	16	4 46	4 20	8	6 10		
7	T	[day	17	16 37	5 22	8	7 12		Δ h ♀
8	F	Lucian	18	28 34	6 25	9	9 13		Variable and
9	S		19	10 38	7 19	10	10 15		unsettled
10	C	1 S. aft. Epip.	20	22 51	☽ sets	10	11 17		□ ♂ ♀
11	M	Plow Monday	21	5 15	5 a 26	11	12 18		weather.
12	T	Old N. Year d.	22	17 51	6 28	11	1 20		♂ 4 ♀
13	W	Ca. T. b. Hil.	23	0 40	7 39	12	15 21		
14	T	Oxf. T. beg.	24	13 41	8 53	13	16 23		Rain or snow
15	F		25	26 58	10 6	13	17 25		snow about,
16	S		26	10 29	11 23	14	19 26		♂ ☉ ♀
17	C	2 Ep. O. 12th d.	27	24 16	morn	14	20 28		
18	M	Q. Ch. b. d. k.	28	8 18	0 39	15	21 3		* 4 ♂
19	T	[Prisca	29	22 35	1 58	15	22 3		More tem-
20	W	Fabian	30	7 3	3 20	16	24 3		perate and
21	T	Agnes	1	21 39	4 40	17	25 5		fine.
22	F	Vincent	2	6 18	5 53	17	26 7		Δ h ♀
23	S	Hil. Term b	3	20 55	6 55	18	27 8		
24	C	Septuages. S.	4	5 22	☽ rises	18	28 10		Cold winds.
25	W	Conv. St. Paul	5	19 33	5 a 47	19	30 12		
26	T		6	3 25	7 3	19	31 14		Δ ☉ h
27	W	Pr. Au. Fre. b.	7	16 55	8 18	20	2 15		Snow, or
28	T		8	0 1	9 29	21	3 17		♂ 4 ♀
29	F		9	12 45	10 39	21	5 19		cold rain,
30	S	K. Ch. I. mart.	10	25 10	11 47	22	6 21		near the end.
31	C	Sexagesima S.	11	7 m 18	morn	22	7 22		□ h ♀, □ ♂ ♀

Some friendly Muse, of the celestial train,
 Dispel those cares that oft eclipse my brain;
 Sublime my fancy, lofty, keen and bright,
 As is the theme on which I've chose to write:
 'Tis on bright Sol, which I select my lay,
 Time's measuring rod, the monarch of the day.

M	☉	riles	☉	tets
D	h	m	a	m

OBSERVATIONS.

1	8	5	3	55
2	8	4	3	5
C	8	4	3	56
4	8	3	3	57
5	8	3	3	58
6	8	1	3	59
7	8	0	4	0
8	8	0	4	0
9	7	59	4	1
C	7	58	4	2
11	7	57	4	3
12	7	56	4	4
13	7	5	4	6
14	7	53	4	7
15	7	52	4	8
16	7	51	4	9
C	7	50	4	10
18	7	48	4	12
19	7	47	4	13
20	7	46	4	14
21	7	4	4	16
22	7	42	4	17
23	7	41	4	19
C	7	40	4	20
2	7	38	4	22
26	7	37	4	23
27	7	35	4	25
28	7	34	4	26
29	7	32	4	28
30	7	31	4	29
C	7	29	4	31

Of the Wisdom of God in his Works,
 (Continued from our last.)

Of the Planet SATURN.

SATURN, the next planet above *Jupiter*, is about 908 millions of miles from the *Sun*; and, by travelling at the rate of 22 thousand miles an hour, performs his annual circuit round that luminary in 29 years, 158 days, 13 hours, and about 15 minutes; but (the *Earth* the swifter body, moving the while) he returns in conjunction with the *Sun*, in 1 year, 13 days, 2 hours, and about 6 minutes, according to the difference of motion of the *Earth* and *Saturn*. His diameter is 78 thousand miles; and he is surrounded by belts, like *Jupiter*; by observations on which, Dr. *Herschel* determined, in *January*, 1794, that his diurnal rotation on his axis is performed in 10 hours and 16 minutes. He is about 600 times bigger than our *Earth*, and is surrounded by a thin, broad ring, as a globe is surrounded by its horizon;

M	h	4
D	π	∞
1	8	11
6	8	12
11	7	13
16	7	14
21	7	16
26	7	17

Last Quarter the 2d day, at 1 in the morning.
 New Moon the 10th day, at 6 in the morning.
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M	W	Remarkable	☾	☽ lon-	☽ rises	☽	☽	☽	Mut. Aspects
D	D	Days, &c.	☾	gitude	and sets	m	h	h	and Weather
1	F	Circumcision	11	4 ⁴⁴	11 a 58	5	30	2	Frosty, cold
2	S		12	17 4	morn.	6	∞	4	winds,
3	C	2 S. aft. Chris.	13	29 9	1 5	6	2	5	* ♂ ☽
4	M		14	11 m 5	2 11	7	4	7	driving fleet.
5	T	Old. Christ. D.	15	22 56	3 15	7	5	8	
6	W	Epiph. 12th	16	4 46	4 20	8	6	10	
7	T	[day	17	16 37	5 22	8	7	12	Δ h ♀
8	F	Lucian	18	28 34	6 25	9	9	13	Variable and
9	S		19	10 38	7 19	10	10	15	unsettled
10	C	1 S. aft. Epip.	20	22 51	☽ sets	10	11	17	□ ♂ ♀
11	M	Plow Monday	21	5 15	5 a 26	11	12	18	weather.
12	T	Old N. Year d.	22	17 51	6 28	11	1	20	♂ ♀
13	W	Ca. T. b. Hil.	23	0 40	7 39	12	15	21	
14	T	Oxf. T. beg.	24	13 41	8 53	13	16	23	Rain or snow
15	F		25	26 58	10 6	13	17	25	snow about.
16	S		26	10 29	11 23	14	19	26	♂ ☉ ☽
17	C	2 Ep. O. 12th d.	27	24 16	morn	14	20	28	
18	M	Q. Ch. b. d. k.	28	8 18	0 39	15	21	3	* ♀ ♂
19	T	[Prisca	29	22 35	1 58	15	22	∞	More tem-
20	W	Fabian	∞	7 3	3 20	16	24	3	perate and
21	T	Agnes	1	21 39	4 40	17	25	5	fine.
22	F	Vincent	2	6 18	5 53	17	26	7	Δ h ☽
23	S	Hil. Term b	3	20 55	6 55	18	27	8	
24	C	Septuages. S.	4	5 22	☽ rises	18	28	10	Cold winds.
25	W	Conv. St. Paul	5	19 33	5 a 47	19	30	12	
26	T		6	3 25	7 3	19	∞	14	Δ ☉ h
27	W	Pr. Au. Fre. b.	7	16 55	8 18	20	2	15	Snow, or
28	T		8	0 1	9 29	21	3	17	♂ ♀
29	F		9	12 45	10 39	21	5	19	col. rain,
30	S	K. Ch. I. mart.	10	25 10	11 47	22	6	21	near the end.
31	C	Sexagesima S.	11	7 m 18	morn	22	7	22	□ h ♀, □ ♂ ☽

Some friendly Muse, of the celestial train,
 Dispel those cares that oft eclipse my brain;
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 Time's measuring rod, the monarch of the day.

M	☉ rises	☉ sets
D	h m	a m

OBSERVATIONS.

1	8	53	55
2	8	43	5
C	8	43	56
4	8	33	57
5	8	23	58
6	8	13	59
7	8	04	0
8	8	04	0
9	7	59	4
C	7	58	4
11	7	57	4
12	7	56	4
13	7	54	4
14	7	53	4
15	7	52	4
16	7	51	4
C	7	50	4
18	7	48	4
19	7	47	4
20	7	46	4
21	7	44	4
22	7	42	4
23	7	41	4
C	7	40	4
2	7	38	4
26	7	37	4
27	7	35	4
28	7	34	4
29	7	32	4
30	7	31	4
C	7	29	4

Of the Wisdom of God in his Works,
 (Continued from our last.)

Of the Planet SATURN.

SATURN, the next planet above *Jupiter*, is about 908 millions of miles from the *Sun*; and, by travelling at the rate of 22 thousand miles an hour, performs his annual circuit round that luminary in 29 years, 158 days, 13 hours, and about 15 minutes; but (the *Earth* the swifter body, moving the while) he returns in conjunction with the *Sun*, in 1 year, 13 days, 2 hours, and about 6 minutes, according to the difference of motion of the *Earth* and *Saturn*. His diameter is 78 thousand miles; and he is surrounded by belts, like *Jupiter*; by observations on which, Dr. *Herschel* determined, in *January*, 1794, that his diurnal rotation on his axis is performed in 10 hours and 16 minutes. He is about 600 times bigger than our *Earth*, and is surrounded by a thin, broad ring, as a globe is surrounded by its horizon;

10 FEBRUARY xxix Days.

M	h	u
D	II	III
1	7	18
6	7	19
11	7	21
16	7	22
21	7	23
26	7	24

New Moon the 8th day, at 11 at night.
 First Quarter the 16th day, at 2 in the morning.
 Full Moon the 22d day, at 11 at night.

W	Remarkable	☉	D lon-	D rises	♂	♀	☿	Mut. Aspects
D	Days, &c.	☿	gitude	and sets	☿	♂	☿	and Weather
1 M		12	19m 16	om 53	23	8	24	February
2 T	Pur. or Candl.	13	1 f 7	1 59	23	10	26	begins with
3 W	Blase	14	12 56	3 4	24	11	28	wet weather.
4 T		16	24 49	4 5	24	12	29	
5 F	Agatha	17	6h 49	5 4	25	13	30	
6 S		18	19 0	5 55	25	15	3	Sharp frost,
7 C	Quad. Shro. S.	19	1 26	6 41	26	16	4	with cold
8 M		20	14 6	D sets	27	17	6	☐ h 8
9 T	Shrove Tuesf.	21	27 3	5 a 22	27	18	7	♂ ☉ 4
10 W	Ash Wednesf.	22	10 16	6 36	28	20	9	winds.
11 T		23	23 43	7 51	28	21	10	
12 F	Hil. Ter. end	24	7 22	9 9	29	22	11	
13 S	Old Cand. d.	25	21 12	10 26	29	23	13	
14 C	1 S. Lent. Va-	26	5 8 9	11 43	30	24	14	
15 M	[lentine	27	19 13	morn	f 26	15		Moderate,
16 T		28	3 II 20	1 5	1 27	15		good wea-
17 W	Ember Week	29	17 31	2 24	1 28	16		ther, a few
18 T		30	1 42	3 35	2 29	17		days.
19 F		31	15 53	4 41	2 30	17		
20 S		2	0 0	5 37	3 2	17		Cloudy, cold
21 C	2 S. in Lent.	3	14 1	6 20	3 3	17		weather,
22 M		4	27 51	D rises	4 4	17		△ ♂ ♀
23 T		5	11 27	5 a 55	5 6	17		☐ ☉ ♂
24 W	St. Matth. Pr.	6	24 47	7 9	5 7	16		* h ♀
25 T	[Ad. F. b.	7	7 49	8 21	6 8	16		☐ ☉ h
26 F		8	20 31	9 30	6 9	15		with snow or
27 S		9	2m 56	10 40	7 10	14		rain.
28 C	3 S. in Lent	10	15 6	11 46	7 12	13		
29 M		11	27 4	morn	8 13	12		8 h ♂

Effence of light ! Supreme in dignity !
 What's all below, if once bereav'd of thee ?
 What's all the beauties of this lower space,
 But gloomy objects, and a lifeless mass ?
 If thy enliv'ning ray our climate touch,
 Each being triumphs at thy kind approach.

M	☉ rises		☉ sets		OBSERVATIONS.
	D	h m	h m		
1	7	27 4	33		rizon ; appearing double through a tele-
2	7	25 4	35		scope. It is inclined about 30 degrees to the
3	7	24 4	36		<i>Earth's</i> Ecliptic, and is about 21 thousand
4	7	22 4	38		miles in breadth ; being equal to its
5	7	20 4	40		distance from <i>Saturn</i> , every where. This
6	7	19 4	41		amazing ring, whether a disruption from
C	7	17 4	43		<i>Saturn's</i> body, or original appendage, ap-
8	7	1 4	45		pears to turn round its axis ; because,
9	7	13 4	47		when it is edgewise to us, it s seen thicker
10	7	11 4	49		on one side of <i>Saturn</i> than on the other ;
11	7	9 4	51		and the thickest edge has been seen, at dif-
12	7	8 4	52		ferent times, on different sides thereof.
13	7	6 4	54		This ring disappears twice in every an-
C	7	4 4	56		nuual revolution of <i>Saturn</i> , viz. when he is
15	7	2 4	58		in about 19 degrees of <i>Pisces</i> and <i>Virgo</i> ,
16	7	0 5	0		when the edge is towards us ; and ap-
17	6	58 5	2		pears broadest when <i>Saturn</i> is in the middle,
18	6	56 5	4		between these two points. The inclina-
19	6	54 5	6		tion of his orbit to the Ecliptic is about
20	6	52 5	8		2 degree and a half, and his north node
C	6	51 5	9		is about 21 degrees 54 min. of <i>Cancer</i> ,
22	6	49 5	11		and his south node as much in <i>Capricorn</i> ,
23	6	47 5	13		in 1796 ; being but about 13 degrees from
24	6	45 5	15		the nodes of <i>Jupiter</i> . The light and heat
25	6	43 5	17		afforded by the <i>Sun</i> to this planet is about
26	6	41 5	19		the
27	6	39 5	21		
C	6	37 5	23		
29	6	35 5	25		

Last Quarter the 1st day, at 6 in the afternoon.

New Moon the 9th day, at 1 in the afternoon.

First Quarter the 16th day, at 9 in the morning.

Full Moon the 23d day, at 1 in the afternoon.

Last Quarter the 31st day, at 2 in the afternoon.

v.	W	Remarkable	☉	☽ lon-	☽ rises	♂	♀	♀	Mut. Aspects
D	D	Days, &c.	☾	gitude	and sets	♂	♀	☾	and Weather
1	T	David	12	8 1 55	om 52	8	14	11	♂ ☉ ♀
2	W	Chad.	13	20 44	1 56	9	15	10	Blustering
3	T		14	2 5 37	2 55	9	16	9	☐ ♂ ♀
4	F		15	14 38	3 50	10	18	8	winds, and
5	S		16	26 53	4 38	10	19	7	☐ ♀
6	B	Mid-Lent S.	17	9 26	5 17	10	20	6	unsettled
7	M	Perpetua	18	22 19	5 52	11	21	6	weather.
8	T		19	5 34	6 19	11	23	5	
9	W		20	19 9	☽ sets	12	24	4	
10	T		21	3 3	6 a 55	12	25	4	Temperate
11	F		22	17 11	8 16	13	26	4	and seasona-
12	S	Gregory	23	18 27	9 36	13	27	3	* ♀
13	B	5 S. in Lent	24	15 47	10 56	14	29	3	ble weather.
14	M		25	0 5	morn	14	30	D	
15	T		26	14 18	0 18	15	8	3	
16	W		27	28 25	1 35	15	2	3	
17	T	St. Patrick	28	12 24	2 42	16	3	3	* ♀ ♀
18	F	Ed. K. W. S.	29	Ca. T. e	3 39	16	5	4	Stormy wea-
19	S	Oxf. T. ends	30	9 58	4 25	16	6	4	ther now
20	B	6 or Palm S.	☾ 23	22	5 1	17	7	5	about.
21	M	Benedict	2	6 56	5 31	17	8	5	
22	T		3	20 10	5 57	18	9	6	
23	W		4	3 11	☽ rises	18	10	6	
24	T	Maundy Th.	5	15 58	7 a 19	19	12	7	
25	F	Good Fr. An.	6	28 31	8 30	19	13	8	Frosty air,
26	S	[Lady d.	7	10 51	9 39	19	14	9	and cold
27	B	Easter day.	8	22 57	10 46	20	15	10	☐ ♀
28	M	Easter Mond.	9	4 54	11 51	20	16	11	easterly
29	T	Easter Tuesd.	10	16 44	morn	21	18	12	* ☉ ♀
30	W		11	28 32	0 54	21	19	13	winds.
31	T		12	10 24	1 51	21	20	14	

Witness this Month, when Sol does Aries know,
 Strait churlish Winter must her hold let go ;
 Our atmosphere, no longer cramp'd with cold,
 (But Tellus 'gins her fertile lap t' unfold ;)
 Nature does now a verdant mantle wear,
 'Tis Phebe presents it to the youthful year.

M ☉ rises ☉ sets
 D h m h m

OBSERVATIONS.

1	6	33	5	27	the ninetieth part of what our <i>Earth</i> enjoys ; but, by the reflection of light from his ring, as well as from his 7 moons, attending him, his light is greatly increased, as appears by his splendor in the night. And the soil of this planet may contribute to the increase of heat, by its retention thereof, though at so vast a distance from the <i>Sun</i> . The inhabitants of <i>Saturn</i> may be so adapted to his climate, as to receive enjoyments, or happiness, in this their remote situation ; to whom the <i>Sun</i> must appear, if their eyes are like our's, 100 times less than to us, or about twice as big as <i>Venus</i> appears, when she is at the brightest.
2	6	31	5	29	
3	6	29	5	31	
4	6	27	5	33	
5	6	25	5	35	
B 6	6	23	5	37	
7	6	21	5	39	
8	6	19	5	41	
9	6	17	5	43	
10	6	15	5	45	
11	6	13	5	47	
12	6	11	5	49	
B 6	6	9	5	51	
14	6	7	5	53	
15	6	5	5	55	
16	6	3	5	57	
17	6	1	5	59	
18	5	59	6	1	The warmest region in this planet must be colder than in Greenland, if there is no provision for increasing it, at that distance from the <i>Sun</i> . If our <i>Earth</i> was so remotely situated as <i>Saturn</i> , all its fluids upon it must be turned to ice, as they are under our Poles, without a possibility of ever returning to their original state, but by the means of fire. Neither <i>Mercury</i> ,
19	5	57	6	3	<i>Venus</i> ,
B 5	5	55	6	5	
21	5	53	6	7	
22	5	51	6	9	
23	5	49	6	11	
24	5	47	6	13	
25	5	45	6	15	
26	5	43	6	17	
B 5	5	41	6	19	
28	5	39	6	21	
29	5	37	6	23	
30	5	36	6	24	
31	5	34	6	26	

New Moon the 7th day, at 12 at night.

First Quarter the 14th day, at 4 in the afternoon.

Full Moon the 22 day, at 3 in the morning.

Last Quarter the 30th day, at 8 in the morning.

1	9	2
6	10	3
11	10	4
16	11	5
21	11	6
26	12	7

M	W	Remarkable Days, &c.	☉	☽ longitude	☽ rises and sets	♂	♀	☿	Mut. Aspects and Weather
D	D		☿			♂	♀	☿	
1	F		12	22 1/2 24	2 m 40	22	21	15	April begins
2	S		13	4 39	3 23	22	22	16	cold, with
3	B	Low S. Richd	14	17 13	3 58	22	23	17	rain or sleet.
4	M	St. Ambrose	15	0 11	4 29	23	25	19	
5	T	Old Lady day	16	13 34	4 54	23	26	20	
6	W	Ox. & Ca. T. b.	17	27 23	5 17	24	27	21	
7	T		18	11 36	☽ sets	24	28	23	Now more
8	F		19	26 8	7 a 21	24	29	24	☐ ♂ ♀
9	S		20	10 51	8 46	25	11	25	fair, with
10	B	2 S. aft. Easter	21	25 36	10 10	25	2	27	very pleasant
11	M		22	10 17	11 32	25	3	28	weather, for
12	T		23	24 48	morn	26	4	30	☐ ♀
13	W	Easter Term b.	24	9 4	0 44	26	5	☿	several days.
14	T		25	23 5	1 46	26	6	3	Δ ☉ ♂
15	F		26	6 50	2 35	26	7	4	
16	S		27	20 20	3 14	27	8	6	
17	B	3 S. aft. Easter	28	3 36	3 43	27	10	8	Co'd winds,
18	M		29	16 40	4 9	27	11	9	♂ ♀
19	T	Alphege	8	29 32	4 30	27	12	11	* ♀
20	W		1	12 13	4 49	28	13	13	* ♀
21	T		2	24 43	5 7	28	14	15	with frequent
22	F		3	7 3	☽ rises	28	15	16	showers.
23	S	St. George	4	19 12	8 a 40	28	16	18	
24	B	4 S. aft. Easter	5	1 12	9 47	29	17	20	
25	M	St. Mark. Pra.	6	13 4	10 51	29	19	22	* ☉ ♀
26	T	[Ma. b.]	7	24 53	11 49	29	20	24	cloudy and
27	W		8	6 40	morn	29	21	26	obscure
28	T		9	18 32	0 43	29	22	28	Δ ♂ ♀
29	F		10	0 31	1 28	30	23	30	weather.
30	S		11	12 45	2 5	30	24	8	

Now glorious Sol extends his wasteless store,
 We Eden seem to view in miniature;
 Each bird to him wings now a hymn of joy,
 And Phil'mel makes her night exceed her day.
 Now am'rous nymphs and swains do trace the grove;
 For Music's voice is still the life of Love.

M	☉ rises		☉ sets		OBSERVATIONS.
D	h	m	h	m	
1	5	32	6	28	<i>Venus, the Earth, Moon, or Mars, can be seen from Saturn, by such eyes as our's, without the assistance of glasses; only Jupiter and the Sun can be beheld from Saturn; and only Saturn and the Sun from Jupiter, with the naked eye.</i>
2	5	30	6	30	
B 5	28	6	32		
4	5	26	6	34	
5	5	24	6	36	
6	5	22	6	38	
7	5	20	6	40	
8	5	18	6	42	
9	5	16	6	44	
B 5	14	6	46		
11	5	12	6	48	<i>Of Saturn's Seven MOONS.</i> The 7 Moons constantly going round Saturn to increase his light, perform their revolutions as follow: The <i>First</i> Moon goes round Saturn in 22 hours and 41 minutes. The <i>Second</i> Moon goes round him in 1 day, 8 hours, and about 53 minutes. The <i>Third</i> , in 1 day, 21 hours, and about 18 minutes. The <i>Fourth</i> , in 2 days, 17 hours, and about 41 minutes. The <i>Fifth</i> , in 4 days, 12 hours, and about 25 minutes. The <i>Sixth</i> , in 15 days, 22 hours, and about 41 minutes. The <i>Seventh</i> , or outermost, in 79 days, 7 hours, and about 48 minutes.— From the continual changes of their places or
12	5	10	6	50	
13	5	8	6	52	
14	5	6	6	54	
15	5	5	6	55	
16	5	3	6	57	
B 5	1	6	59		
18	4	59	7	1	
19	4	57	7	3	
20	4	55	7	5	
21	4	53	7	7	
22	4	51	7	9	
23	4	50	7	10	
B 4	48	7	12		
25	4	46	7	14	
26	4	44	7	16	
27	4	42	7	18	
28	4	40	7	20	
29	4	39	7	21	
30	4	37	7	23	

New Moon the 7th day, at 9 in the morning.

First Quarter the 13th day, at 12 at night.

Full Moon the 21st day, at 7 in the afternoon.

Last Quarter the 29th day, at 10 at night.

1	13	8
6	13	8
11	14	9
16	14	10
21	15	11
26	16	11

M	W	Remarkable	C	lon-	rites	♂	♀	♀	Mut. Aspects
D	D	Days, &c.	8	gitude	and sets	↑	II	8	and Weather
1	B	Rogat. S. St.	12	25 [∞] 17	2 m 37	30	25	4	Wholesome
2	M	[Phil. & Ja.	13	8 [×] 13	3 3	30	26	6	winds, but
3	T	Inv. of Crofs	14	21 36	3 25	27	27	8	* 4 ♀
4	W		15	5 [∞] 28	3 47	0	28	10	not unpleasant.
5	T	Afc. Holy Th.	16	19 47	4 8	0	30	12	
6	F	J. Ev. a P. L.	17	4 8 30	4 30	0	26	14	8 ♂ ♀
7	S		18	19 28	D sets	0	2	16	
8	B	S. af. Ascens.	19	4 II 33	9 a 14	1	3	18	Some show ^{rs}
9	M	Easter Terme	20	19 35	10 33	1	4	21	of rain now
10	T		20	4 [∞] 26	11 41	1	5	23	♂ ☉ ♀
11	W		21	18 59	morn	1	6	25	about.
12	T	Oxf. T. e. Old	22	3 Ω 12	0 38	R	7	27	
13	F	[May day	23	17 2	1 21	1	8	29	Good wea-
14	S		24	0 [∞] 31	1 53	1	9	II	△ 4 ♀
15	B	Whit. Sund.	25	13 41	2 19	1	10	4	ther con-
16	M	Whit Mond.	26	26 34	2 40	1	11	6	tinues.
17	T	Whit Tuesd.	27	9 [∞] 12	2 59	1	12	8	
18	W	Ember Week	28	21 38	3 17	0	13	10	□ 4 ♀
19	T	Q. Ch. b. Dun-	29	3 m 53	3 35	0	14	12	Cloudy and
20	F	[itan	II	16 0	3 54	0	15	14	overcast;
21	S		1	27 59	D rises	0	16	16	♂ h ♀
22	B	Trinity S. Pres.	2	9 ↑ 52	8 a 44	0	17	18	perhaps
23	M	[Elizab. b.	3	21 41	9 44	0	18	20	some rain.
24	T		4	3 ^h 29	10 39	1	19	21	
25	W	Oxf. Ter. beg.	5	15 18	11 26	30	20	23	
26	T	Aug. Cor. Chri.	6	27 11	morn	30	21	25	
27	F	Ven. Bede. Tr.	7	9 [∞] 13	0 6	29	22	26	
28	S	[Term beg.	8	21 28	0 40	29	23	28	Blustering
29	B	af. Trin. R.	9	3 [×] 59	1 6	29	24	30	8 ♂ ♀
30	M	[Cha. II. rest.	10	16 52	1 28	29	25	25	winds near
31	T		11	0 [∞] 1	1 50	29	26	3	the end.

Elate, my Muse! how can I e'er display
 The balmy odours Sol bestows in May!
 What num'rous flowers now bounteous Nature spares,
 For botany, and to adorn the fair!
 Beware of Love; youth, shun that ticing boy;
 That *ignis fatuus* leads to fatal joy.

M	rise	sets
D	h m	h m

OBSERVATIONS.

B	4	35	7	25	
	2	4	34	7	26
	3	4	32	7	28
	4	4	30	7	30
	5	4	28	7	32
	6	4	27	7	33
	7	4	25	7	35
B	4	23	7	37	
	9	4	22	7	38
	10	4	20	7	40
	11	4	19	7	41
	12	4	17	7	43
	13	4	16	7	44
	14	4	14	7	46
B	4	13	7	47	
	16	4	11	7	49
	17	4	10	7	50
	18	4	8	7	52
	19	4	7	7	53
	20	4	6	7	54
	21	4	4	7	56
B	4	3	7	57	
	23	4	2	7	58
	24	4	0	8	0
	25	3	59	8	1
	26	3	58	8	2
	27	3	57	8	3
	28	3	56	8	4
B	3	55	8	5	
	30	3	54	8	6
	31	3	53	8	7

or appearances, it is evident that these are opaque bodies, and shine only by the reflection of that light which they receive from the *Sun*.

Of the GEORGIAN PLANET.

The GEORGIAN Planet, or, as the Berlin astronomers have named it, *Ouranus*, which, in the Heathen mythology, signifies *Saturn's father*, as *Saturn* is to that of *Jupiter*, is the remotest of all the planetary bodies in our system, and was first discovered by *Dr. Herschel*, on the 13th of *March*, 1781, between the hours of 10 and 11 at night. *Dr. Herschel* at first thought it to be a *comet*; but the Rev. *Dr. Maskelyne*, his Majesty's Astronomer Royal at *Greenwich*, soon after detected it; and as soon as he saw it, declared his suspicions, that it was not one of that species of bodies which we ordinarily call *comets*, but a *planet* belonging to our system, of the same nature with the rest, although, on account of its small size and remote situation,

M	h	4
D	II	X
1	16	12
6	17	12
11	18	12
16	18	13
21	19	13
26	20	13

New Moon the 5th day, at 4 in the afternoon
 First Quarter the 12th day, at 10 in the morning.
 Full Moon the 20th day, at 10 in the morning.
 Last Quarter the 28th day, at 8 at night.

M	W	Remarkable	☉	D Lon-	D rises	♂	♀	♂	Mut. Aspects
D	D	Days, &c.	II	gitude	and sets	↑	☾	☾	and Weather
1	W	Nicomede	12	13 57	2 m 10	28	27	4	☐ ☉ 4
2	T		13	28 11	2 31	28	28	5	Hot and dry
3	F		13	12 50	2 52	28	29	7	now about.
4	S	K. Geo. III. b.	14	27 49	3 19	28	30	8	
5	B	Tr. Pr. E. A. b.	15	12 59	D sets	27	☉	9	
6	M	[Bonif.	16	28 12	9 a 20	27	1	10	Cloudy and
7	T		17	13 16	10 23	27	2	12	☉ ☉ h
8	W		18	28 4	11 13	27	3	13	△ 4 ♀
9	T		19	12 31	11 52	26	4	14	more cool.
10	F		20	26 32	morn	26	5	14	
11	S	St. Barnabas	21	10 8	0 19	26	6	15	
12	B	S. af. Trin.	22	23 20	0 43	25	6	16	Hot, with
13	M		23	6 11	1 5	25	7	17	thunder
14	T		24	18 43	1 21	25	8	18	showers in
15	W	Trin. Term e.	25	1 0	1 39	24	9	18	☉ ☉ ♂
16	T		26	13 6	1 56	24	9	19	some places.
17	F	St. Alban	27	25 4	2 17	24	10	19	
18	S		28	6 56	2 40	23	11	20	
19	B	S. af. Trin.	29	18 45	8 23	12	20		
20	M	Tr. Ed. K. W. S.	30	0 33	D rises	23	12	20	Fine tem-
21	T	Longest day	☾	12 23	9 a 26	23	13	20	perate wea-
22	W		2	24 17	10 2	22	14	21	ther now
23	T		3	6 17	10 37	22	14	21	R about.
24	F	J. Bapt. Mid-	4	18 26	11 6	22	15	20	
25	S	[sum-	5	0 47	11 29	21	16	20	
26	B	S. af. Trin.	5	13 24	11 50	21	16	20	
27	M		6	26 18	morn	21	17	20	Stormy wea-
28	T		7	9 34	0 9	20	17	20	ther near
29	W	St. Peter	8	23 13	0 28	20	18	19	☉ ☉ ♂
30	T		9	7 16	0 50	20	18	19	the end.

The radiant Sun rules now in Luna's seat ;
 From thence he throws a most luxuriant heat ;
 Which pierce the bowels of the teeming earth,
 The min'ral kingdom else wou'd ne'er have birth :
 No stones, or steel, or brass, should we behold ;
 No glitt'ring gems, or any burnish'd gold.

M	rises		sets		OBSERVATIONS.
	D	h m	h m	m	
1	3	52	8	8	tion, it had escaped the observation of astronomers to that time. This planet's distance from the <i>Sun</i> is 1816 millions of miles, and goes round him in 83 years and about 140 days. The <i>Georgian</i> travels at the rate of 15 thousand 6 hundred miles in an hour, along his orbit ; and is about 89 times bigger than our earth ; and, with a telescope that magnifies about 300 times, it appears to have a very well defined visible disk ; but, with instruments of a small power, it can hardly be distinguished from a fixed star of the 6th or 7th magnitude. Dr. <i>Herschel</i> has discovered two moons or satellites revolving round this planet ; the <i>first</i> in 8 days, 17 hours, and about 1 minute ; the <i>second</i> in 13 days, 11 hours, and about five minutes. And, from the remote situation of this planet, there is reason to believe that there are several others, which have not yet been observed. The attendance of these two moons, as well as the former of seven and four moons, on their respective great bodies of <i>Saturn</i> and <i>Jupiter</i> , are indications of those planets being inhabited ; or to what purpose
2	3	51	8	9	
3	3	50	8	10	
4	3	49	8	11	
B	3	49	8	11	
6	3	48	8	12	
7	3	47	8	13	
8	3	47	8	13	
9	3	46	8	14	
10	3	46	8	14	
11	3	45	8	15	
B	3	45	8	15	
13	3	44	8	16	
14	3	44	8	16	
15	3	44	8	16	
16	3	43	8	17	
17	3	43	8	17	
18	3	43	8	17	
B	3	43	8	17	
20	3	43	8	17	
21	3	43	8	17	
22	3	43	8	17	
23	3	43	8	17	
24	3	43	8	17	
25	3	43	8	17	
B	3	44	8	16	
27	3	44	8	16	
28	3	44	8	16	
29	3	45	8	15	
30	3	45	8	15	

M	h	24
D	II	X
1	20	13
6	21	13
11	22	13
16	22	13
21	23	12
26	23	12

New Moon the 4th day, at 11 at night.
 First Quarter the 11th day, at 9 at night.
 Full Moon the 20th day, at 1 in the morning.
 Last Quarter the 27th day, at 3 in the afternoon.

M	W	Remarkable	☉	☽ Lon	☽ rises	♂	♀	☿	Mut. Aspects
D	D	Days, &c.	☿	gitude	and sets	♂	♀	☿	and Weather
1	F		10	21 8 42	1 m 13	20	19	18	Flying showers
2	S	Visitat. V. M.	11	6 II 28	1 42	19	19	18	△ ♂ ♀
3	B	St. Dog d. b.	12	21 29	2 17	19	20	17	now about.
4	M	Tra. St. Mart.	13	6 III 35	☽ sets	19	20	16	△ ☉ ♀
5	T	Ca. Com. Old	14	21 40	8 a 56	19	20	16	
6	W	[Midf.	15	6 Ω 33	9 41	19	21	15	☉ ☿, * h ♀
7	T	Tho. à Becket	16	21 7	10 16	18	21	15	Hot and dry
8	F	Camb. T. ends	17	5 III 17	10 41	18	21	14	for several
9	S		18	19 1	11 3	18	21	13	days.
10	B	S. aft. Trin.	19	2 III 19	11 23	18	22	13	
11	M	Oxford Act	20	15 12	11 40	18	22	12	△ ♀ ☿
12	T		21	27 44	11 58	18	22	12	
13	W		22	9 III 58	morn	18	22	12	
14	T		23	22 0	0 17	17	22	11	Storms of
15	F	Swithin	24	3 I 54	0 40	17	22	11	hail and
16	S	Oxf. T. ends	25	15 43	1 6	17	R	11	rain.
17	B	S. aft. Trin.	25	27 31	1 37	17	22	D	
18	M		26	9 III 21	2 17	17	22	11	Good hay
19	T		27	21 16	3 7	17	22	11	weather.
20	W	Margaret	28	3 III 19	☽ rises	D	21	11	
21	T		29	15 31	9 a 6	17	21	11	
22	F	Magdalen	Ω	27 54	9 31	17	21	12	Pleasant,
23	S		1	10 X 28	9 52	17	21	12	△ ♀ ☿
24	B	S. aft. Trin.	2	23 17	10 13	17	20	13	serene air,
25	M	St. James	3	6 IV 20	10 30	17	20	14	
26	T	St. Anne	4	19 40	10 51	17	19	15	and some
27	W		5	3 X 16	11 14	18	19	16	rain near
28	T		6	17 10	11 39	18	19	17	the end.
29	F		7	1 III 22	morn	18	18	18	△ ♂ ♀
30	S		8	15 50	0 9	18	18	19	
31	B	S. aft. Tri.	9	0 III 30	0 51	18	17	20	

The massy Orbs, each in his circling tour,
 Obey Sol's laws, confess his sov'reign pow'r :
 'Tis he informs them how they must advance,
 In pace, and road, as round their King they dance.
 They're kept with an indissoluble chain,
 As Art's Phœnix, great Newton, did explain.

M ☉ rises ☉ sets
 D h m h m

OBSERVATIONS.

1	3	46	8	14
2	3	46	8	14
B 3	3	47	8	13
4	3	48	8	12
5	3	48	8	12
6	3	49	8	11
7	3	50	8	10
8	3	50	8	10
9	3	51	8	9
B 3	3	52	8	8
11	3	53	8	7
12	3	54	8	6
13	3	55	8	5
14	3	56	8	4
15	3	57	8	3
16	3	58	8	2
B 4	4	0	8	0
18	4	1	7	59
19	4	2	7	58
20	4	3	7	57
21	4	5	7	56
22	4	6	7	54
23	4	7	7	53
B 4	4	9	7	51
25	4	10	7	50
26	4	11	7	49
27	4	13	7	47
28	4	14	7	46
29	4	16	7	44
30	4	17	7	43
B 4	4	18	7	41

pose should so many moons be created to give light to such vast bodies, if not for the accommodation of their inhabitants? And the further that bodies are placed from the *Sun*, and consequently the more they are deprived of his direct light, we find the greater is the number of their attending moons, to supply their light by reflection; an indication of a provision for the greater number of inhabitants. By the *Earth* continuing to move forward in her inferior orbit, while the superior planets, of *Mars*, *Jupiter*, *Saturn* and the *Georgian*, go forward the same way, in their respective orbits, from West to East, they will appear, as we see them, sometimes direct, stationary, or retrograde.—These appearances are a proof that the motions of planetary bodies, in our solar system, are as we admit them, according to the *Newtonian* philosophy; exemplified and confirmed by an Orrery.—The appearances above mentioned, namely, the moons or satellites of *Jupiter*, *Saturn*, and the *Georgian*, are only seen through a telescope; by which you may view the *Moon*,

M	h	24
D	II	X
1	24	12
6	24	11
11	25	11
16	25	10
21	26	9
26	26	9

New Moon the 3d day, at 7 in the morning.

First Quarter the 10th day, at 12 at noon.

Full Moon the 18th day, at 3 in the afternoon.

Last Quarter the 25th day, at 10 at night.

M	W	Remarkable	☉	☽	Lon-	☽ rises	♂	♀	☿	Mut. Aspects
D	D	Days, &c.	Ω		gitude	and sets	↑	Ω	☿	and Weather
1	M	Lammas day	10	15	18	1 m 46	18	16	22	August be-
2	T		11	0	7	2 52	18	16	23	gins very
3	W		12	14	51	☽ sets	19	15	24	fine.
4	T		13	29	21	8 a 39	19	15	26	
5	F		14	13	31	9 4	19	14	28	♂ ☉ ♀
6	S	Transfigurat.	15	27	17	9 25	19	13	30	
7	B	18. T. Pr. Am.	16	10	38	9 44	19	13	Ω	Good harvest
8	M	[Na. of Jes]	17	23	34	10 2	20	12	3	now about.
9	T		17	6	8	10 21	20	11	5	
10	W	St. Lawrence	18	18	23	10 43	20	11	7	
11	T	Prs. Br. Dog d.e.	19	0	25	11 8	20	10	9	Gentle winds,
12	F	Pr. Wal. b. Old	20	12	17	11 38	21	10	11	Δ ☉ ♂, ♂ ♀ ☿
13	S	[Lam.	21	24	5	morn	21	9	13	thunder and
14	B	12 S. aft. Tri.	22	5	54	0 16	21	9	15	lightning.
15	M	Assumption	23	17	48	1 1	22	8	17	
16	T	D. of York b.	24	29	50	1 55	22	8	19	
17	W		25	12	4	2 57	22	7	21	* ☉ ♀
18	T		26	24	31	☽ rises	23	7	23	Δ ♂ ☿
19	F		27	7	11	8 a 1	23	7	25	* ♀ ☿
20	S		28	20	6	8 21	23	6	27	Good harvest
21	B	13 S. Tr. D. of	29	3	14	8 41	24	6	29	♂ ☉ ☿
22	M	[Clar. b.	☿	16	35	9 1	24	6	☿	weather
23	T		1	0	8	9 21	24	6	3	now about
24	W	St. Bartholo.	2	13	51	9 45	25	6	5	
25	T		3	27	44	10 15	25	6	7	
26	F		4	11	48	10 51	26	6	9	8 4 ☿
27	S		5	25	59	11 39	26	D	10	8 ♀ ♂
28	B	14 S. T. St. Aug.	6	10	18	morn	27	6	12	Hot, with
29	M	Beh ^d . J. Bapt.	7	24	42	0 38	27	6	14	thunder
30	T		8	9	8	1 48	27	6	16	showers.
31	W		9	23	30	3 8	28	6	18	8 ☉ ♀

Now quick'ning Sol is in the Virgin seen;
 May Harvest, like the Virgin, be serene:
 That round the year we may ourselves regale
 With flour fine, and life's reviving ale.
 Those goodly treasures now in fields we view;
 The Sun is parent, and the midwife too.

M ☉ rises ☉ sets
 D h m h m

OBSERVATIONS.

1	4	20	7	40
2	4	22	7	38
3	4	24	7	36
4	4	25	7	35
5	4	27	7	33
6	4	28	7	32
B 4	30	7	30	
8	4	32	7	28
9	4	34	7	26
10	4	35	7	25
11	4	37	7	23
12	4	39	7	21
13	4	41	7	19
B 4	42	7	18	
15	4	44	7	16
16	4	46	7	14
17	4	48	7	12
18	4	50	7	10
19	4	51	7	9
20	4	53	7	7
B 4	55	7	5	
22	4	57	7	3
23	4	59	7	1
24	5	1	6	59
25	5	2	6	58
26	5	4	6	56
27	5	6	6	54
B 5	8	6	52	
29	5	10	6	50
30	5	12	6	48
31	5	14	6	46

Moon, at 240 thousand miles distance, magnified as she would appear to a naked eye, at the distance of 200 miles.

The *Earth*, where an observator of the heavens is placed, being not the centre of our system of planetary bodies, they in consequence must come nearer to, and further from us, at different times; by which means, the faces of our planets appear bigger and less to us, by turns. *Mercury* appears 5 times bigger at his least, than at his greatest distance; *Venus*, at her least distance, 32 times as big; *Mars*, at his, 25 times; *Jupiter*, at his, more than twice as big; and *Saturn* only half as much bigger, at his least, than greatest distance. But *Venus* and *Mercury* are never seen when they are nearest the *Earth*, except when they pass directly between the *Earth* and *Sun*; which very seldom happens. Hence the apparent bulk of the planetary bodies of our system is no certain rule to know them by.

Of COMETS.

COMETS are stupendous bodies, of different densities, like the planets, revolving round

24

SEPTEMBER xxx Days.

M	h	u
D	h	x

New Moon the 1st day, at 4 in the afternoon.
 First Quarter the 9th day, at 6 in the morning.
 Full Moon the 17th day, at 4 in the morning.
 Last Quarter the 24th day, at 4 in the morning.

1	27	8
6	27	7
11	27	7
16	27	6
21	28	5
26	28	5

M	W	Remarkable	☉	Lon-	ris	♂	♀	☿	Mut. Aspects
D	D	Days, &c.		gitude	and sets	↑	Ω	☿	and Weather
1	T	Giles	10	7 ^m 42	D sets	28	6	19	
2	F	Lon. bu. 1666.	11	21 41	7 a 34	29	6	21	Ruffling
3	S		12	5 ^a 20	7 53	29	7	23	winds, and
4	B	15 S. aft. Tri.	13	18 37	8 12	30	7	25	frequent
5	M		14	1 ^m 32	8 32	30	7	26	☐ h ☿
6	T		15	14 5	8 52	1	7	28	showers,
7	W	Enurchus	16	26 21	9 15	1	8	30	☐ ♂ ☿
8	T	Nativ. V. M.	16	8 ^f 22	9 44	2	8	30	about this
9	F		17	20 14	10 19	2	9	3	time.
10	S		18	2 ^h 2	10 59	3	9	5	
11	B	16 S. aft. Tri.	19	13 52	11 51	3	10	6	
12	M		20	25 48	morn	4	10	8	Gentle
13	T		21	7 ^m 56	0 51	4	11	9	winds, with
14	W	Holy Cross	22	20 19	1 58	5	11	11	* ♀ ☿
15	T		23	3 ^x 0	3 8	5	12	12	frequent
16	F		24	15 59	4 22	6	12	14	* 2 ♂
17	S	Lambert	25	29 15	D rises	6	13	15	
18	B	17 S. aft. Tri.	26	12 ^v 48	7 a 14	7	14	17	showers of
19	M		27	26 33	7 35	8	14	18	☐ ☉ h
20	T		28	10 8 28	7 58	8	15	20	rain.
21	W	St. Mat. Emb. W	29	24 29	8 24	9	16	21	
22	T	K. Geo. III. cr.	29	8 ^h 34	8 59	9	16	22	Cloudy and
23	F		1	22 39	9 43	10	17	24	dull a few
24	S		2	6 ^h 45	10 39	10	18	25	days.
25	B	18 Tr. O. Holy R	3	20 50	11 45	11	19	26	
26	M	St. Cyprian	4	4 ^h 54	morn	12	19	28	Δ h ☿
27	T		5	18 55	1 0	12	20	29	Moderate
28	W		6	2 ^m 51	2 20	13	21	31	weather near
29	T	St. Mic. Pts. R.	7	16 39	3 38	13	22	1	the end.
30	F	St. Jerome	8	0 ^a 15	4 56	14	23	3	

O lib'ral-handed Autumn ! art thou come,
 With the soften'd peaches, and the luscious plumb ?
 Orchards now yield a show'r of fragrancy,
 And grapes swell big, whence flows the cup of joy.
 All is matur'd by Sol, soft, sweet and fair,
 Assisted by the Water, Earth, and Air.

M D	rises		sets		OBSERVATIONS.
	h	m	h	m	
1	5	16	6	44	round the <i>Sun</i> , as their common centre, in such very elliptical or eccentric orbits, that they never appear to us, but in that part of their orbit when they descend near the <i>Sun</i> ; from whence, after having passed their nearest distance to him, called the <i>Perihelion</i> , with the greatest velocity, they ascend, on the contrary side of their orbits, running out into their furthest distances from the <i>Sun</i> , beyond the orbit of <i>Saturn</i> , where their motion is hardly sensible.— Their orbits, in general, are across the heavens, in all directions; whereas the planetary orbits only go from West to East; and, by the orbits of the <i>Comets</i> never coinciding with, or going near the directions of the planetary orbits, all the <i>Comets</i> circulate freely, without giving interruption to the planets, or being by them interrupted, except by descending into the neighbourhood of the planets with their greatest velocity, their mutual attractions may a little disturb each other; but, by the Creator's balancing and proportioning the two forces of attraction and projection, called the <i>centripetal</i> and <i>centrifugal</i> forces, the whole machine of our system (and each
2	5	18	6	42	
3	5	20	6	40	
B	5	22	6	38	
5	5	23	6	37	
6	5	25	6	35	
7	5	27	6	33	
8	5	29	6	31	
9	5	31	6	29	
10	5	33	6	27	
B	5	35	6	25	
12	5	37	6	23	
13	5	39	6	21	
14	5	41	6	19	
15	5	43	6	17	
16	5	45	6	15	
17	5	47	6	13	
B	5	49	6	11	
19	5	51	6	9	
20	5	53	6	7	
21	5	55	6	5	
22	5	57	6	3	
23	5	59	6	1	
24	6	1	5	59	
B	6	3	5	57	
26	6	4	5	56	
27	6	6	5	54	
28	6	8	5	52	
29	6	10	5	50	
30	6	12	5	48	

26 OCTOBER xxxi Days.

M	h	u
D	II	X
1	28	4
6	28	4
11	R	4
16	28	3
21	28	3
26	28	3

New Moon the 1st day, at 3 in the morning.
 First Quarter the 9th day, at 2 in the morning.
 Full Moon the 16th day, at 4 in the afternoon.
 Last Quarter the 23d day, at 10 in the morning.
 New Moon the 30th day, at 5 in the afternoon.

M	W	Remarkable	☉	☽	Lon-	☽	☽	☽	Mut. Aspects
D	D	Days, &c.	☉	☽	gitude	rises	and sets	☽	and Weather
1	S	Remigius	9	13	37	☽	fets	15 24 4	Δ 4 ☽
2	B	19 S. aft. Tri.	10	26	42	6	a 42	15 24 5	High winds,
3	M		11	9	m 28	7	2 16 25	6	and showers
4	T		12	21	57	7	26 17 26	7	of rain.
5	W		13	4	f 9	7	51 17 27	8	
6	T	Faith	14	16	9	8	23 18 28	9	* h ☽
7	F		15	28	0	9	1 18 29	10	
8	S		16	9	h 47	9	48 19 30	11	Fine for the
9	B	20 Tr. St. Denys	17	21	37	10	44 20 12	12	farmers'
10	M	Ox. & Ca. T. b.	18	3	m 33	11	48 20 2	13	feed-time
11	T	[Old Mic.	19	15	43	morn	21 3 13		
12	W		20	28	10	0	55 22 4	14	8 4 ☽
13	T	Tra. Ed. Conf.	21	10	X 58	2	8 22 5	14	Fair and
14	F		22	24	9	3	23 23 5	15	clear some
15	S		23	7	v 42	4	39 24 0	15	days.
16	B	21 S. aft. Tri.	24	21	37	☽	rises	24 7 16	
17	M	Etheldred	25	5	h 48	6	a 8 25	8 R	□ ○ ☽
18	T	St. Luke	26	20	10	6	33 26 9	16	
19	A		27	4	II 37	7	6 26 10	16	Perhaps
20	T		28	19	3	7	47 27 11	15	Δ ○ h
21	F		29	3	h 24	8	37 28 13	15	some thundr
22	S		m	17	38	9	42 28 14	14	* ☽ ☽
23	B	22 S. aft. Tri.	1	1	h 42	10	55 29 15	14	now about.
24	M		2	15	36	morn	30 16 13		
25	T	K. G. III. Ac.	3	Crispin	0	11	m 17 12	12	Wind and
26	W	K. G. III. pro.	4	12	m 55	1	30 1 18	11	Δ ○ 4
27	T		5	26	18	2	48 2 19	10	Rain.
28	F	St. Sim. & Jude	6	9	h 30	4	3 2 20	8	
29	S		7	22	29	5	16 3 21	7	☽ ○ ☽
30	B	23 S. aft. Tri.	8	5	m 15	6	30 4 22	6	Cold winds.
31	M		9	17	47	☽	fets	4 23 5	□ ☽ ☽

The fluctile Tide, which rolls from shore to shore,
 And potent Winds, which at this season roar ;
 The Lightning, Rain, and humid Vapours, all
 Subscribe the Sun for their original.
 He cherishes and quickens all we see,
 And is Creation's *primum mobile*.

M	O riles		O fets		OBSERVATIONS.
	D	h m	h	m	
1	6	14	5	46	each system of the universe) performs its motions in regular order. That there is an attraction in all material substances, stronger or weaker, in a certain proportion to their bulk and distances from one another, is made evident to sight; for if you place, in the middle of the surface of a vessel full of water, a number of small pieces of cork, wood, or other floating substances, at small distances from one another, the nearest in bulk and distance will first come together, and then the next nearest; and you will see the larger pieces attract the smaller more than the smaller attract each another; till, by the joint attraction of the several pieces, the largest of all will bring the several less together about it; which largest piece will further manifest the virtue of attraction in matter, by drawing the less pieces after it, if you move it from them.—But the <i>projection</i> of a <i>cannon-ball</i> , drawn from its rectilinear motion to a curve concave towards the <i>Earth</i> , by its attraction, explains, in the most familiar manner, how less bodies, put in sufficient motion, and made to revolve round
B	6	16	5	44	
3	6	18	5	42	
4	6	20	5	40	
5	6	22	5	38	
6	6	24	5	36	
7	6	26	5	34	
8	6	28	5	32	
B	6	30	5	30	
10	6	32	5	28	
11	6	34	5	26	
12	6	36	5	24	
13	6	38	5	22	
14	6	40	5	20	
15	6	42	5	18	
B	6	44	5	16	
17	6	45	5	15	
18	6	47	5	13	
19	6	49	5	11	
20	6	51	5	9	
21	6	53	5	7	
22	6	55	5	5	
B	6	57	5	3	
24	6	59	5	1	
25	7	14		59	
26	7	34		57	
27	7	44		56	
28	7	64		54	
29	7	84		52	
B	7	104		50	
31	7	124		48	

M	h	u
D	n	x
1	27	3
6	27	3
11	27	4
16	27	4
21	26	4
26	26	5

First Quarter the 7th day, at 10 at night.

Full Moon the 15th day, at 3 in the morning.

Last Quarter the 21st day, at 7 at night.

New Moon the 29th day, at 11 in the morning.

M	W	Remarkable	☉	☽	Lon-	D	rises	♂	♀	☿	Mut. Aspects
D	D	Days, &c.	m	m	gitude	and sets	and sets	m	m	m	and Weather
1	T	All Saints	10	0	4	6	5 a 55	5	24	3	Δ 2 ♀
2	W	Pr. Ed. b. All So	11	12	12	6	24	6	25	2	Rain or fleet.
3	F	Prs. Sophia b.	12	24	8	7	0	6	26	1	
4	F	K. Wm. landed	13	5	57	7	42	7	28	1	□ h ♀
5	S	Powder Plot	14	17	43	8	35	8	29	0	Cold and
6	B	24 S. Tr. Leon.	15	29	31	9	33	8	30	△	frosty air.
7	M	Mic. Term b.	16	11	26	10	40	9	△	D	
8	F	Prs. Aug. So. b.	17	23	34	11	49	10	2	30	The weather
9	W	Ld. Mayor's d.	18	5	59	morn		11	3	m	is now more
10	T		19	18	46	1	0	11	4	1	temperate.
11	F	St. Martin	20	1	59	2	15	12	5	1	
12	S	Cam. T. div. m.	21	15	38	3	32	13	6	2	
13	B	25 S. Tr. Bri-	22	29	43	4	51	13	8	3	
14	M	[tius	23	14	8	11	6	12	14	9	Frosty morn-
15	T	Machutus	24	28	54	D rises		15	10	5	Δ 2 ♀
16	W		25	13	46	5 a 57		15	11	6	ings, with
17	T	Hugh	26	28	39	6	27	16	12	7	snow or fleet.
18	F		27	13	25	7	27	17	13	8	
19	S		28	27	58	8	39	18	14	9	Δ h ♀
20	B	26 S. Tr. Ed-	29	12	15	9	55	18	16	11	
21	M	[mund	30	26	14	11	15	19	17	12	Dull, dark
22	T	Cec. l. Ol. Mart.	1	9	55	morn		20	18	13	weather,
23	W	St. Clement	2	23	18	0	33	20	19	15	for several
24	F		3	6	25	1	48	21	20	16	days.
25	F	D. of Glo. bo.	4	19	16	3	1	22	21	18	□ ⊙ 4
26	S	[Cath.	5	1	55	4	13	23	23	19	Δ ♂ ♀
27	B	Advent Sund.	6	14	21	5	24	23	24	21	Rain or snow,
28	M	Mic. Term e.	7	26	37	6	33	24	25	22	Δ h ♀
29	T		8	8	43	D sets		25	26	24	and very cold.
30	W	St. Andrew.	9	20	41	4 a 51		25	27	25	Δ h ♂, □ ♂ ♀

Should I attempt in full to give the sum
Of blessings flowing from the glorious Sun,
I justly might as easily conclude
To scale the Moon, or find out Longitude ;
Then cease, my Muse, stretch not thy wing to soar
To find all out, that not one can explore.

M ☉ rises ☉ sets
D h m h m

OBSERVATIONS.

17	14	4	46	round the centre of the greatest attracting bodies ; for there is nothing more required to make a body revolve, than to give a sufficient impulse, or force, to make it move forward, with a given celerity, in a given time, within the influence of an attracting body. And, could a sufficient velocity be given to a <i>cannon-ball</i> , to balance with the force of the <i>Earth's</i> attraction, that neither force might prevail, the ball would revolve; for we see the motions of all the great bodies of the universe, regulated by the two simple principles of projection and attraction. Upon these two principles, the nearer to, or further from the centres of attraction, the revolving bodies move in their respective orbits, the greater or less are their respective velocities. And our <i>Moon</i> , and all the satellites of <i>Jupiter</i> , <i>Saturn</i> , and the <i>Georgian</i> , as well as their primaries, are retained in their respective orbits, by the two principles aforesaid. On the contrary, if the attraction once prevailed over the projectile force, or the centripetal over the centrifugal power, then all bodies in this
27	15	4	45	
37	17	4	43	
47	19	4	41	
57	21	4	39	
B 7	22	4	38	
77	24	4	36	
87	26	4	34	
97	27	4	33	
107	29	4	31	
117	31	4	29	
127	32	4	28	
B 7	34	4	26	
147	36	4	24	
157	37	4	23	
167	39	4	21	
177	40	4	20	
187	42	4	18	
197	43	4	17	
B 7	44	4	16	
217	46	4	14	
227	47	4	13	
237	48	4	12	
247	50	4	10	
257	51	4	9	
267	52	4	8	
B 7	53	4	7	
287	54	4	6	
297	56	4	4	
307	57	4	3	

30

DECEMBER xxxi Days.

M	h	u
D	II	X

First Quarter the 7th day, at 4 in the afternoon.

Full Moon the 14th day, at 2 in the afternoon.

Last Quarter the 21st day, at 6 in the morning.

New Moon the 29th day, at 6 in the morning.

1	25	5
6	25	6
11	25	6
16	24	7
21	24	8
26	23	9

M	W	Remarkable	☉	☽	lon-	☽	rises	♂	♀	☿	Mut. Aspects
D	D	Days, &c.	↑		gitude		and sets	☿	♀	☿	and Weather
1	T		10	2	32	5	a 31	26	29	27	December
2	F		11	14	20	6	20	27	30	28	begins with
3	S		12	26	6	7	16	28	m	30	cold rain or
4	B	2 S. in Advent	13	7	55	8	19	28	2	4	snow.
5	M		14	19	50	9	26	29	3	3	
6	T	Nicholas	15	1	56	10	35	30	4	4	
7	W		16	14	18	11	46	X	6	6	△ 2 ♀
8	T	Conc. V. Mar.	17	27	0		morn	1	7	8	□ 2 ♀
9	F		18	10	6	0	59	2	8	9	The weather
10	S		19	23	39	1	13	3	9	11	pretty fine
11	B	3 S. in Adv.	20	7	39	2	32	3	10	12	for the sea-
12	M		21	22	7	3	53	4	12	14	son.
13	T	Lucy	22	6	56	5	18	5	13	15	
14	W	Ember Week	23	22	1		rises	6	14	17	Cold and
15	T		24	7	13	4	a 57	6	15	18	8 ☉ ♀
16	F	Cam. T.e. O Sap.	25	22	21	6	7	7	17	20	6 2 ♂
17	S	Oxf. Term ends	26	7	17	7	23	8	18	22	cloudy some
18	B	4 S. in Advent	27	21	54	8	45	8	19	23	days.
19	M		28	6	9	10	9	9	20	25	
20	T		29	19	58	11	24	10	21	26	
21	W	St. Tho. Shor st	30	3	22		morn	11	23	28	Somewhat
22	T	[Day	1	16	24	0	40	11	24	29	frosty now
23	F		3	29	6	1	52	12	25	27	about.
24	S		4	11	m 31	3	1	13	26	3	
25	B	Christmas day	5	23	43	4	12	14	27	4	6 ☉ ♀
26	M	St. Stephen	6	5	46	5	20	14	29	6	
27	T	St. John	7	17	41	6	26	15	30	7	Sharp, cutting
28	W	Innocents	8	29	31	7	29	16	4	9	* 2 ♀
29	T		9	11	19		sets	16	2	11	winds, perhaps
30	F		10	23	7	4	a 55	17	4	12	* ☉ 2
31	S	Silvester	11	4	57	5	56	18	5	14	Snow.

How shall I then presume to sing, or write
 Of the Almighty, uncreated Light !
 Whose pow'r immense, 'tis probable, we know,
 May light to thousand other Suns bestow.
 O wond'rous Agent ! grant at length we come
 Where day ends not, and useless is the Sun.

M ☉ rises ☉ sets
 D h m h m

OBSERVATIONS.

17	58	4	2	this system would descend to the <i>Sun</i> , as the source of attraction. The <i>Comets</i> , in their vastly eccentric orbits, also revolve round this great LUMINARY, turning round him as racers about their goals. The <i>Comets</i> must be of greater density than any known substance, since the heat they undergo, in every approach they make to the <i>Sun</i> , is such as would melt, vitrify, or dissipate any known substance upon earth
27	59	4	1	
38	0	4	0	
B 8	0	4	0	
58	1	3	59	
68	2	3	58	
78	3	3	57	
88	4	3	56	
98	4	3	56	
108	5	3	55	
B 8	5	3	55	At his command, affrighting human kind, <i>Comets</i> drag on their blazing lengths behind : Nor, as we think, do they at random rove, But, in determin'd times, thro' long Ellipses move ; And ho' sometimes they near approach the <i>Sun</i> , Sometimes beyond our System's Orbit run, Throughout their race, they act their Maker's will, His power declare, his purposes fulfil.
128	6	3	54	
138	6	3	54	
148	7	3	53	
158	7	3	53	
168	7	3	53	
178	8	3	52	
B 8	8	3	52	
198	8	3	52	
208	8	3	52	
218	8	3	52	[To be continued.]
228	8	3	52	
238	8	3	52	
248	8	3	52	
B 8	7	3	53	
268	7	3	53	
278	7	3	53	
288	6	3	54	
298	6	3	54	
308	5	3	55	
318	5	3	55	

SPECULUM ANNI:
OR,
SEASON ON THE SEASONS.
For the YEAR of our LORD, 1796.

THE SECOND PART.

Containing variety of matter in prose and verse, part necessary to complete a performance of this kind, part collected or composed by the author, for the instruction and improvement of British youth, or of those who, in the humble vale of life, have souls superior to the opportunities given them, to improve in the various branches of science; and concluding with the kind contributions of his learned and ingenious correspondents, to whom he once more returns his sincere thanks for their favours and generous assistance in a work designed at least

“ To raise the soul by tender strokes of art,
“ To wake the genius, and to mend the heart;
“ To make mankind in Nature’s study bold;—
“ Look o’er each scene, and mark what they behold.”

Of the ECLIPSES of the SUN and MOON that
will happen in this Year, 1796.

WITHIN the course of this year, the *Sun* and *Moon* will be four times eclipsed, to one part or other of the globe; but to the inhabitants of *Great-Britain*, not one of these Eclipses will be visible. They happen in the following order:—

The first is a central and annular Eclipse of the *Sun*, upon *Sunday*, the 10th day of *January*, at about our 6 o’clock in the morning; to us, therefore, invisible.—In the Southern regions this will be a very great eclipse; for in 21 degrees

of South Latitude, and 89 degrees East Longitude from LONDON, this Eclipse will be central, precisely at noon-day. Along the track of central appearance, this Eclipse will be very beautiful; for the Ring or Annulus will be about half a digit in breadth, on every side. This Eclipse will be visible in part, more or less, to the western parts of New Holland, and to several of those little Islands scattered in the Indian Ocean, to the eastward of the Island of Madagascar.

The second is another Eclipse of the *Sun*, and happens on *Monday*, the 4th day of *July*, at our 11 o'clock at night; at which time this Eclipse is both central and total in the meridian about 165 deg. West from LONDON, under 37 degrees of North Latitude. At the Sandwich Islands, the Ladrone Islands, and the Islands of Japan, this will be a very great Eclipse. Along the track of central appearance, the inhabitants, if ignorant of astronomy, will doubtless be under no small surprise at the sudden disappearance of the Sun, involving them in a kind of midnight-darkness at noon-day.

The third is a partial Eclipse of the *Moon*, upon *Wednesday*, the 14th day of *December*, in the afternoon. With respect to LONDON, our metropolis, the Eclipse will begin at 9 minutes past 1 o'clock; the middle will be at 21 minutes past 2, when the Moon will be about 6 digits eclipsed; and the Eclipse will be quite over at 34 minutes past 3; but the Sun sets not, that night, at LONDON, till 54 minutes past 3; and, seeing the Moon cannot rise above a minute or two before the Sun sets, this Eclipse cannot be seen in our hemisphere.—But this Eclipse will be visible to all, or most of, the small Islands dispersed in the great Pacific Ocean; such as the Sandwich Islands, the Society and Friendly Islands, the New Hebrides, New Zealand, Van Diemen's Land, New Holland, and all along the East Coast thereof, called New South Wales, Norfolk Islands, and the Isles of Sunda, Borneo, the Philippines, the Isles of Japan, and the whole Continent of Asia. The Beginning will be visible as far as the Western Coast of America; and the End will extend itself into Poland, Sweden, and Denmark, and as far as our neighbours the Germans and Dutch.

The fourth and last is an invisible Eclipse of the *Sun*, on *Thursday, December* the 29th, and in the 9th degree of the Sign *Capricorn*, about our 6 in the morning. In the great Southern Ocean this will be a very great Eclipse, not total, but annular; and the breadth of the Annulus, in the central path, will be, I expect, about half a digit on all sides. This appearance will happen in the meridian, *viz.* precisely at noon, under 65 degrees and a half South Latitude, and of 91 degrees and a half of Longitude East from LONDON.— There is not much probability of this Eclipse being visible in the known world, unless perhaps a small defect may be seen in Van Diemen's Land, which is the utmost Southern part of New Holland; therefore it is quite unnecessary to trouble either myself or reader with any farther account of it.

On *Friday, the 21st of October*, in the morning, there happens an Occultation of the Planet *Saturn* by the *Moon*, and visible here, if clouds interpose not. The Immersion of *Saturn* behind the bright part of the *Moon* will be at 28 minutes past 1 o'clock; and his Emerfion from behind the dark part of the *Moon* will be at 14 minutes after 2, according to apparent time. The whole duration of this occultation will be 46 minutes.

Through a telescope, this Occultation will be a pleasing sight, as *Saturn's* amazing Ring will appear to encircle his Globe, and extend itself on each side the Planet, to a considerable distance.

Some Remarks on the SUPERNATURAL ECLIPSE of the
SUN that happened at JERUSALEM, when our SAVIOUR
WAS CRUCIFIED.

IN the 33d year after Christ, *Anno* 00, and of the Julian period 4746, on *Friday*, the 3d day of *April*, when our Saviour was crucified, the Sun was totally and miraculously darkened, for the space of three hours, as we read in *Matthew*, Chap. xxvii. and v. 45. And, according to history, we find that the Moon, that very night, rose eclipsed, according to the course of nature, in the land of Canaan; the Eclipse being about half ended.—See *Bedford's Horæ Mathematicæ Vacuæ*.—I also leave the reader to judge, how agreeable the fact is to *Joel*, Chap. ii. v. 31, compared with *Acts*, Chap. ii. v. 16 to 22.

Mr. *Whiston*, in his *Six Dissertations*, 8°, 1734, says, p. 141, "At the Full Moon, there was a considerable Eclipse of the Moon, April the 3d, the very day that Jesus of Nazareth was crucified; which Eclipse has been computed by *Ballialdus*. Also a little sketch of it was given us by Mr. *Toinard*, in his *Harmony*, p. 148 and 149.

N. B. The Moon rose at *Jerusalem*, just upon sun-setting, of a red hue, in a natural Eclipse of 6 or 7 digits; which was the very same day on which they had the supernatural Eclipse of the Sun. Now an Eclipse of the Sun never happens but at New Moon, nor an Eclipse of the Moon but at the Full Moon, nor then always, but when her latitude will allow of it; which was the cause that *Dionysius Areopagita* (who at the age of 25) seeing the Sun so admirably eclipsed at our Saviour's Passion, contrary to all reason, when the Moon was

at her Full, cried out, in amazement—*Aut Deus natura patitur, aut machina mundi dissolvetur*—Either the God of Nature suffers, or else the frame of the world will be destroyed.

Now, to prove that the Moon was then eclipsed, that very evening that our Saviour was crucified, I will give you

THE CALCULATION THEREOF,

By Astronomical Tables,

For the Meridians of LONDON and JERUSALEM:

Comp. by M. A. of Royston.

	d.	h.	m.	s.
Equal Time of the Ecliptic 8, A. D. 33, April	3	3	11	41
Equation of Time, subtract.....			2	50
Apparent Time at London	3	3	8	51
Diff. of Meridians of London and Jerusalem, add		2	21	20
Apparent Time at Jerusalem	3	5	30	11
Sun's true Longitude	♈	11	33	28
Moon's true Longitude.....	♎	11	33	28
The Moon's true Latitude S. A.			36	38
Hourly Motion of ☾ à ☉			27	40
Semidiameter of ☉			16	00
☉'s Shadow.....			39	20
.....			14	50
Digits eclipsed (on ☾'s upper Limb).....	7	7	2	
Time from the 8 to the Middle, sub ^t			7	10
Time of Incidence, sub ^t . and add	1	h	26	50

This Eclipse was not visible in this our British Isle, but only in Asia. The Moon rose eclipsed with them at Jerusalem as will appear below :

Anno 33, APRIL 3,	London.	Jerusalem.	} App. Time.
EVENING.	h. m. sec.	h. m. sec.	
Beginning.....	1 34 38	3 55 58	}
Middle.....	3 1 33	5 22 53	
Opposition	3 8 51	5 30 11	
End	4 28 28	6 49 48	

		h.	m.	sec.
The Sun set at <i>Jerusalem</i> , the 2d of <i>April</i> , at.....		6	10	24
The Moon rose, that evening, at.....		5	20	0
The 3d day {	The Sun set, at <i>Jerusalem</i> , at	6	11	24
	The Moon rose, at <i>Jerusalem</i> , at.....	6	12	0

Hence, by the foregoing calculation, it appears, that the Moon did certainly rise eclipsed at *Jerusalem*, agreeable to what history has related. But, in so remote an age, it is not to be wondered at, if our Tables should err in the Moon's place a few minutes, so as to make the time of the Eclipse, at least, 5 or 20 minutes later; as I have great reason to suppose the error (if any) will lie that way. I leave it, therefore, to the examination of the curious.

Note, Their 6th hour was our 12 o'clock at noon; and their 9th hour was our 3 o'clock in the afternoon.—*Vide* *Matth. xxvii. v. 45*.—And, that very evening the Moon was eclipsed, and visible in Asia, as I above have proved.—On which I remark, *viz.* That, during the last three hours that our Lord hung on the Cross, a darkness covered the face of the earth, to the great terror and amazement of the people present at his execution.

This extraordinary alteration in the face of nature was peculiarly proper, while the Sun of Righteousness was withdrawing his beams from the land of Israel, and from the world, not only because it was a miraculous testimony borne by God himself to his innocence, but also because it was a emblem of his departure, and its effects, at least till his light shone out anew, with additional splendour, in the ministry of his Apostles

The Jews had been accustomed to the figurative language of the eclipse of the luminaries, as significative of some extraordinary revolution or calamity, and could not but recollect the words of *Amos, Chap. viii. v. 9* and *10*, on this occasion. This darkness was taken notice of, as a prodigy, by the heathens themselves. To this purpose, we have still retaining the words of Phlegon the astronomer, the freed-man

of Adrian, cited by Origen from his book, at the time when it was in the hands of the public. That Heathen author, in treating of the 4th year of the 202^d Olympiad, which is the 19th of Tiberius, and supposed to be the year in which our Lord was crucified, tells us, "That the greatest Eclipse of the Sun that ever was known happened then; for the day was so turned into night, that the stars in the heavens were seen."

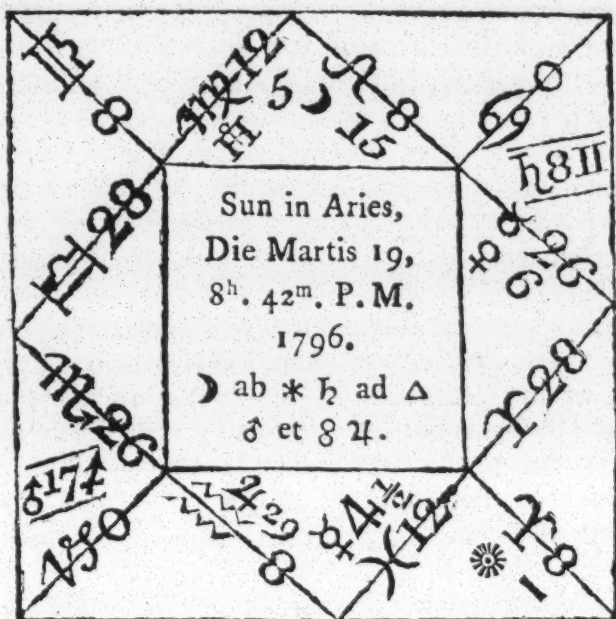
JOSEPHUS, it is true, takes no notice of this wonderful phenomenon; but the reason may be, that he was unwilling to mention any circumstance favourable to Christianity, of which he was no friend; and the Jews would, no doubt, disguise this event as much as they could, and perhaps might persuade him, and others who heard the report of it at some distance of time or place, that it was only a *dark cloud*, or a *thick mist*, which the followers of JESUS had exaggerated, because it happened when their master died.—Such representations are exceedingly natural to hearts corrupted by infidelity.

Judicium Astrologicum pro Anno Redemptionis, 1796.

The SPRING QUARTER, or the SUN's INGRESS into
ARIES.

The revolutions of the years of the world are usually accounted to take their beginning at the time of the Sun's entrance into the first point of *Aries*, which, this year, happen

on *Saturday*, the 19th day of *March*, at 42 min. past 8 o'clock at night; when the Face of the Heavens will be as in the following Scheme:



Great things approach, swift Time prepares the way
For mighty works; we mortals must obey;
When the Eternal Power speaks aloud,
Kings must submit, and so must all their brood.
Slowly Fate moves, but certainly will come,
As sure as day before the rising Sun.

In the above figure, 28 degrees of *Libra* ascend, and 8 degrees of *Leo* culminate; the Planet *Saturn* is in the 8th within orbs of an *Opposition* of *Mars*, who is in the 17th degree of the Sign *Sagittarius*. This is but an untoward position, or otherwise the planets are more amicably disposed than they have been for some time past; for the * of the ☉ and ♀, and the ☉ and ♄, near at hand, shew that some honest, upright men, are willing to use endeavours to allay the animosities of these tumultuous and troublesome times; but the opposition which I remarked before, of the two Superiors,

Saturn and *Mars*, give reason to fear that the affairs of some countries in Europe are yet in a disturbed and unsettled condition. It also denotes some new and unheard-of mischiefs in divers parts of the world; such as murmurings, tumults, riots, insurrections, and malicious projects. I would hope that the noble *Trine* aspects of ♄ and ♀, which have lately happened, will smile with their good effects on our national affairs, in promoting an increase of trade, and harmonious proceedings among our superiors; and that the late contests and mistakes may be, and I hope are, in a fair way of being brought to some conclusion; that peace and tranquillity may be once more restored, to lay the heats and animosities that have so long distracted the Continent of Europe. However, the French nation proceed in more rational and tranquil steps than heretofore, and are settling their Government on the broad basis of civil and religious liberty, to the no small mortification of all Popish countries. A new scene of affairs is about to arise in the world, especially in Spain, in some parts of Germany, in Poland, and also in Russia, and other places near to some of these, with respect to their governments, laws, customs, privileges, &c. &c. The King of Prussia recovers much from his hereditary enemies, and gains some advantages by the accession of new friends. The affairs of the Emperor of Germany go on but slowly; yet he seems to gain some small advantages; but it is more by negotiation than fighting. The lustre of that noble House is somewhat eclipsed, but will not suffer a total obscurity. Holland somewhat confused in their councils; they rather betray a want of resolution; but, before the year is out, they will brave all their difficulties.

On the SUN's ENTRANCE into CANCER, which introduces the SUMMER QUARTER.

This Quarter begins on *Monday*, the 20th day of *June*; at 36 min. past 6 in the afternoon, when 10 degrees of ♈ ascend, and the 16th degree of ♋ is on the M. C. The Moon, at this Ingress, is in the eastern part of the Heavens, departing

from an 8 of the Sun, and next applies to the * of 4. The two Superior Planets, *Saturn* and *Mars*, are again within their orbit *Opposition*. They will affect the air with strange and unusual weather (the season considered) by sudden mutations from one extreme to another; wind and storms; thunders, both ærial and subterranean, which may cause agitations of the earth, in divers parts of the world. This is like to be a very active and busy quarter; all, or most parts of Europe, seem deeply immersed in the calamities of the times. There is a prospect of some misunderstanding between Spain and some of the Austrian Family; and, I think, also between the King of Prussia and the Emperor of Germany; but, after a short space (for France is concerned), the aggressors, upon more mature deliberation, and better councils, will drop the intended design.

On the SUN's ENTRANCE into LIBRA, which introduces the AUTUMNAL QUARTER.

This Quarter begins on *Thursday*, the 22d day of *September*, at 29 min. past 8 in the morning, when 5 degrees of Ω culminate, and 26 degrees of $\cap$ is on the Horoscope. The Moon, at this instant, is separating from the $\square$ of 4, and then applies to a *Sextile* aspect of *Venus*. There is yet like to be great murmurings and discontent amongst the people, at the actions of their superiors. I heartily wish for a good understanding between us and our allies (both the present and former), and that no Popish intrigues may prevail, to make a breach to the prejudice of Great-Britain. This year will undoubtedly be productive of great changes, revolutions, and unexpected events; but these events, I think, may be such as will arise from treaties, new alliances, and change of hands, more than from military preparations, or martial actions in the field; though I know the world is possessed with many doubts and fears of approaching troubles and calamities, in which all Europe is nearly concerned,—O England! I hope thy impoverished cities and towns will, in a short time, rise again; though, I am sorry to say, we must yet suffer as a nation.

On

On the SUN's ENTRANCE into CAPRICORN, which introduces the WINTER QUARTER.

This Quarter begins on *Wednesday, the 21st day of December*, at 7 minutes past 1 in the morning. We live in daily expectation of a better understanding of the intentions and designs of the most great and active men of Europe, who hitherto have much concealed their resolutions. And I have great hopes, that the great affairs of our nation will shortly be brought to some happy conclusion or determination; for there are certain bounds set by Providence, beyond which the greatest and most ambitious men cannot go. I shall now conclude my Book, in giving some account of the Enigmas, Charades, &c.

ANSWERS to the ENIGMAS, CHARADES, &c. &c. in our last.

Enigma 1. Want.

Do. 2. A Seal.

Do. 3. A Scythe.

Do. 4. Sleep.

Rebus 1. Miss Tasker.

Rebus 2. Mr. Ward.

Do. 3. A Stocking-Frame.

Charade 1. Bride-Cake.

Do. 2. Band-Box.

Do. 3. Grave-Stone.

GENERAL ANSWER to the ENIGMAS, &c.

By Mr. W. M. WILKINSON, Jun. of BURNBY.

To the AUTHOR.

Sir, while Time with his *Scythe* shall spare
Me on earth to appear;
For to provide I will take care
Something new for each year;

3 Enig.

Of *Band-box*, or some such like thing,

2 *Char.*

As best may suit my will;

In enigmatic lays to sing,

I will exert my skill;

If to the altar I repair,

To tie the knot of love,

With Miss *Tasfer*, or some one fair,

1 *Reb.*

Then faithful I must prove;

Then *Bride-cake* I'll give to each guest,

1 *Char.*

No *Stocking-frame* I need *;

2 *Reb.* — 1 *Enig.*

And then shall *Ward*, and all the rest,

3 *Reb.*

Be welcomed indeed :

So while I pass life's rugged stage,

Kind Sir, I hope to keep,

Each year a place within your page,

Until in death I *Sleep*.

4 *Enig.*

Then, when I'm to the grave consign'd,

And death hath *Seal'd* mine eyes,

2 *Enig.*

These, like a *Grave-stone*, will remind,

3 *Char.*

That such a one there was.

A GENERAL ANSWER to the ENIGMAS, &c.

By Mr. WM. HEWSON, of NORTH CAVE.

I *Want* a *Scythe*, a *Sleep* at night,

1, 3, 4 *Enig.*

Miss *Tasfer's Seal* alone,

1 *Reb.* — 2 *Enig.*

Ward's Stocking-frame, and *Bride cake* too,

3, 2 *Re.* — 1 *Ch.*

With *Band-box*, and *Tomb-stone*.

2, 3 *Ch.*

Mr. Francis Jackson, of North Cave, sent a GENERAL ANSWER to the ENIGMAS, &c. as did Messrs. W. and R. Lees, of Bank-top; Mr. Wm. Waring, of Leicester; a GENERAL ANSWER to all the ENIGMAS, QUERIES, CHARADES, &c. was also sent by Mr. John Ward, of Hinckley; Mr. J. Bates, &c. of H. Notts.

QUERE I. answered by Mr. JOHN WARD, of Hinckley.

The azure colour of the sky, Sir *Isaac Newton* attributes to vapours beginning to condense there, and which have got consistence enough to reflect the most reflexible rays. M. De la Hire accounts for it to our viewing a black object, *viz.* the dark space beyond the regions of the atmosphere, through a white or lucid one, *viz.* the air illuminated by the Sun; a mixture of black and white always appearing blue. Others say, it originates chiefly from light reflected by the earth.

QUERE II. answered by Mr. JOHN WARD.

JOB declares the force of God's power and providence, in the mines and metals in the deep places of the earth, by his saying, "Dead things are formed from under the waters, and the inhabitants thereof."

It was answered much in the same way by Mr. *Wilkinson*.

QUERE III. answered by Mr. JOHN WARD, of Hinckley.

By reason of the different density and specific gravity of the columns of the earth, on the formation of it, was settled into the abyss into different degrees, and thereby became of an unequal surface, distinguished into mountains, plains, and valleys. Though various earthquakes and convulsions may have altered some of them since that period; and undoubtedly they were washed or covered with water at the deluge; as is evident from what *Moses* saith, *Gen. Chap. vii. v. 19.* which not only clearly proves the universality of the Deluge, but also fully confutes the opinion, that the face of the earth, before the Deluge, was smooth, regular and uniform; and that

that the rocks and mountains which every where now appear, are owing to the violent concussions which then happened, but they are only the ruins and fragments of the old world.

Mr. *Wilkinson*, the proposer, after correcting an error of the press, *viz.* "worlds," which should have been "woulds," gives much the same answer as the above.

QUERY IV. answered by the Proposer.

The sentence of being "sent to Coventry," is a sarcasm, or punishment, sometimes very severe in the fashionable world, the army, among fox-hunters, &c. and is passed upon a person when he has done a dishonourable act, &c. after which it is deemed scandalous either to pay or receive visits from him; and every one looks on him as a stranger unknown, and continues so to do, until he has made an atonement, or proper apology for his fault.

Mr. WARD sent much the same answer.

NEW QUERIES proposed for the Year 1796.

FIRST QUERE, by Mr. J. KIPLIN, Lord Mayor of Hury.

Whether is the greater calamity, the loss of a good wife, or the plague of a bad one?

SECOND QUERE, by HOITY-TOITY,

It is said, that, if the internal air is extracted from bodies, the external air will cause them to break into innumerable pieces, and *vice versa*; in what manner are they proved?

THIRD QUERE, by Mr. W. WILKINSON, Jun.

From whence arose the custom of drinking of healths?

NEW

NEW ENIGMAS, &c. for the Year 1796.

FIRST ENIGMA, by Mr. WM. LEES, near Oldham.

Seasonian bards, excuse my entrance here,
 Without apology, I will declare,
 My wond'rous use, nor think it strange to tell,
 I in each county of this nation dwell.
 In Parliament I often do appear,
 To represent all those who absent are;
 Spotless and pure, I'm often cloth'd in white,
 Whilst most around me are black as fable night.
 To men of business I'm a trusty friend,
 And oft on wits and critics I attend;
 In paper wars an active part I bear,
 Attack each party, both in front and rear;
 Hurl the keen dart, pluck'd out of Envy's lake,
 And wound, unseen, the object of my hate,
 Altho' to satirists my aid I lend,
 And daring fools and wilful knaves befriend,
 Yet some there are who do my person hate,
 And curse my visits when they game in state.
 So now, ye bards, who wish to know my name,
 Look in the margin; there you'll see it plain.

SECOND ENIGMA, by Mr. WM. WILKINSON, JUNR.

Ye wits, who with refulgence shine,
 Within this page I pray incline:
 To hear, while I do you rehearse,
 My narrative in mystic verse;
 In form I'm diff'rent, you must know,
 For diff'rent things I often shew;
 Not Proteus self, I am clear,
 Did in more shapes than I appear;

Nor to any hue am I confin'd,
 But diff'rent, as I am design'd,
 Like the camelion, I do,
 My colour take from others too ;
 For truly I am of no race,
 But sometimes do supply their place ;
 And once I saved a king's life,
 With the assistance of his wife ;
 In water and on land I'm seen,
 Before, and under you have been ;
 And though I now am in disguise,
 I hope it will not you surprize ;
 If I should unto you confess,
 That oft I've shewn you how to dress ;
 Then if you ask where I am found,
 You'll find me all the world around,
 In churches, and in taverns too :—
 But hold—I here must bid adieu.

A REBUS, by Mr. FRAN. JACKSON.

A man in Scripture much renown'd,
 A fish in winter a fav'rite found,
 A place in which you fish may find ;
 And who by all is thought unkind :
 A place by mortals much desir'd,
 A deed by misers not admir'd ;
 A thing that's safe-guard to a ship ;
 Another which by wind doth slip ;
 And the last you'll find no end of it. }
 These initials join'd, and you'll see
 The place of my nativity.

A REBUS, by W. L—.

An appellation for the fair,
 A beast that spoke in days of yore,
 He who did float above the world,
 What *Joseph* in a dream beheld,

A furious

A furious beast, who feeds on prey,
 A mopish bird, that shuns the day,
 A prince, for harden'd heart renown'd,
 Who 'midst the raging deep was drown'd.
 Th' initials join'd, to you will tell,
 The place where I at present dwell.

FIRST CHARADE, by Mr. G. SIM—N.

A substance is my first stand, for what you please,
 A title is my next, found among grandees;
 My whole will name a town, blest with wholesome air,
 Near Albion's centre, in Northamptonshire.
 Where now, in lowly cot, free from pomp and pride,
 Fortune's fix'd my lot, at present, to reside.

SECOND CHARADE, by Mr. JOHN WARD, of Hinckley.

Ye Gents, my first with great speed
 In my second—does proceed;
 My whole a curious thing, I ween,
 A state, a safe, a grand machine.

A PARADOX, by Mr. JOHN HARRISON.

JONES the Gardener, Sirs, is a comical fellow,
 And full of his cramps, when he is half mellow;
 Has propounded a question which puzzles my mind;
 So beg that you'll help me a method to find,
 How to plant nineteen trees, in rows three times three,
 Five trees in each row, and rewarded you'll be.

* * The Author HENRY SEASON, presents his humble Thanks to all his Contributors, and begs they will send their Letters, as usual, directed for him, at Stationers'-Hall, LONDON (Post paid), by the first of May;—and that they will send Answers to whatever they send.—We select the best Matter; what remains will be noticed another Year.—Several Letters came too late to Hand for this Almanac, particularly that of Mr. JOHN HARRISON.

F I N I S.

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